

FIG. 1(a)

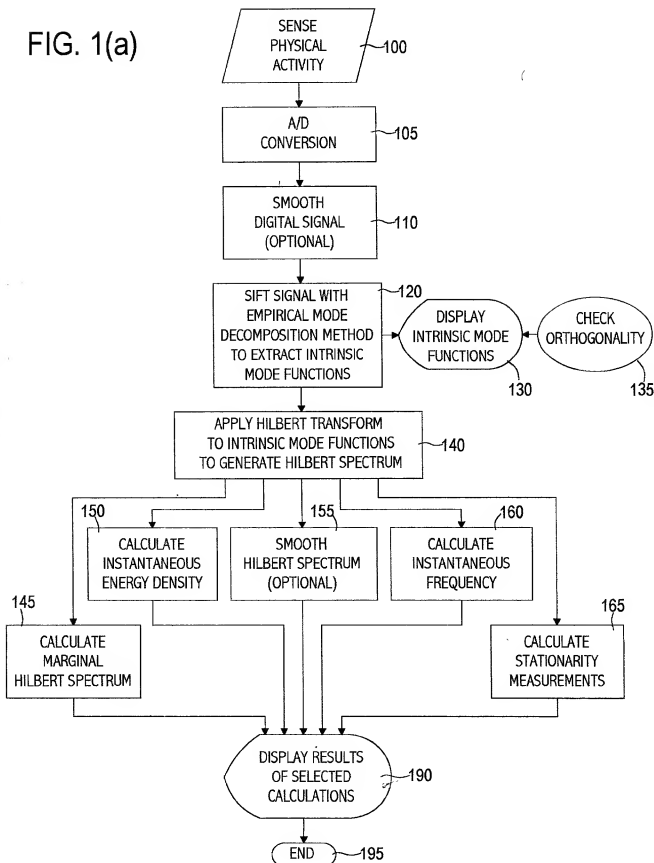


FIG. 1(b)

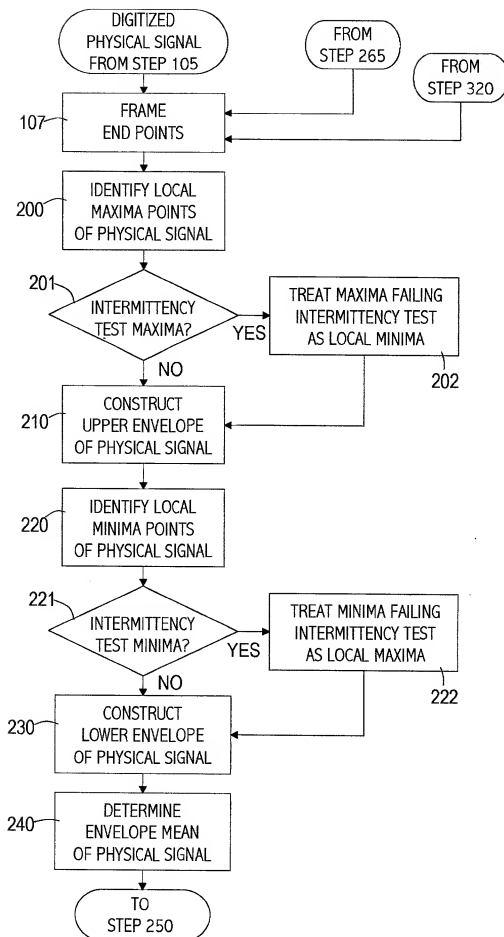
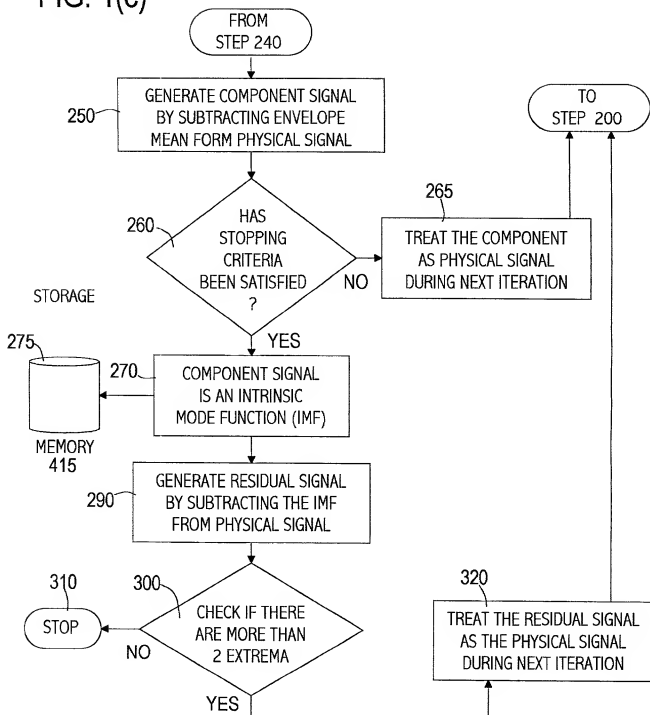


FIG. 1(c)



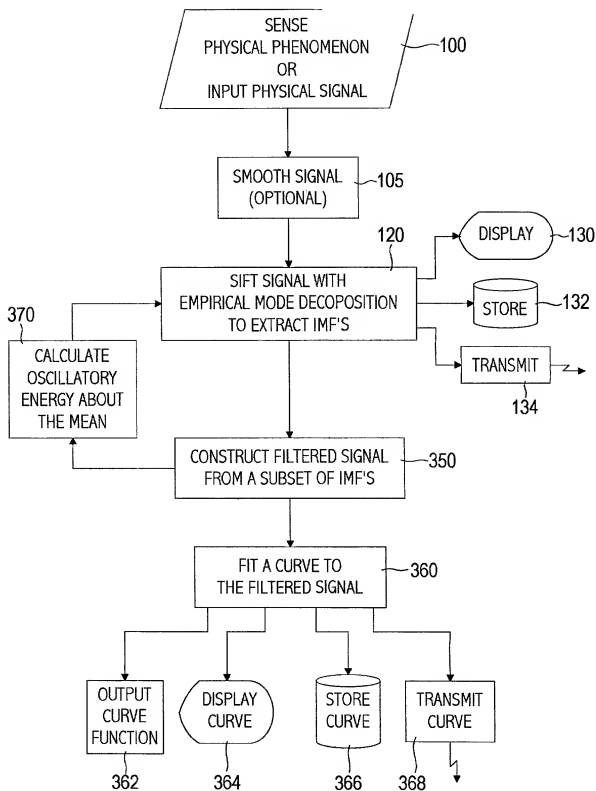


FIG. 1(d)

FIG. 2

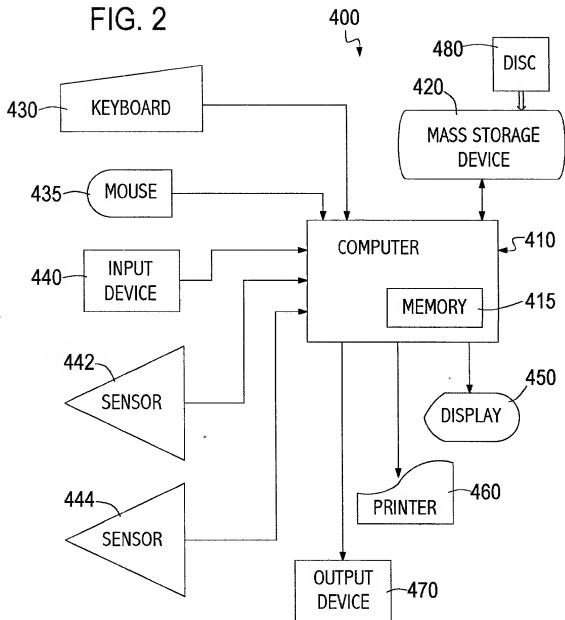


FIG. 3(a)

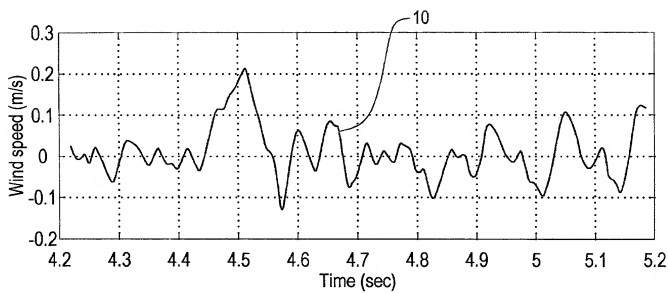


FIG. 3(b)

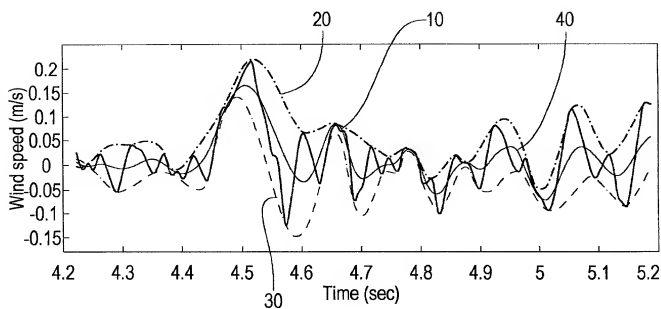


FIG. 3(c)

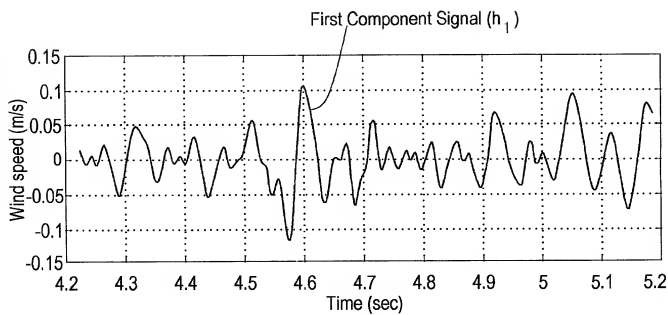


FIG. 3(d)

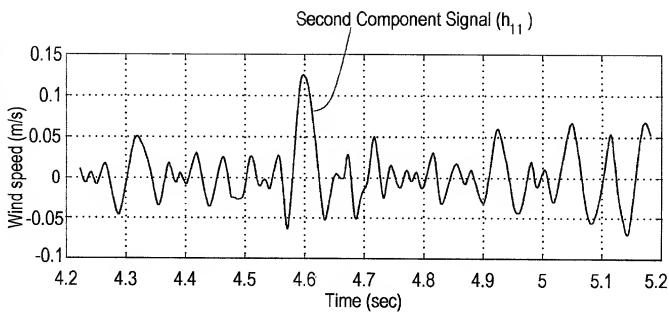


FIG. 3(e)

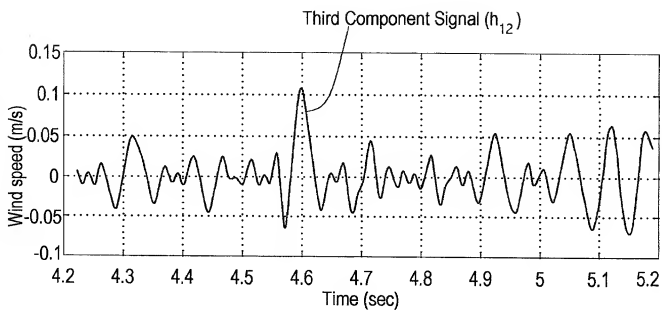


FIG. 3(f)

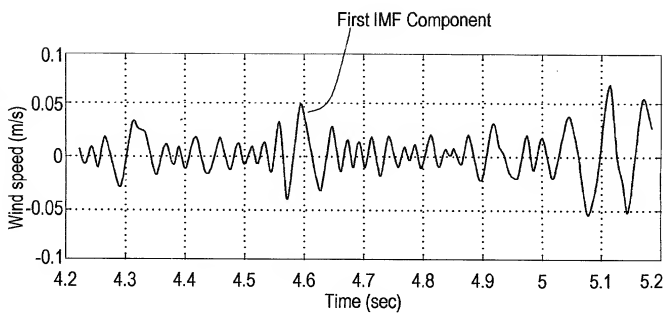
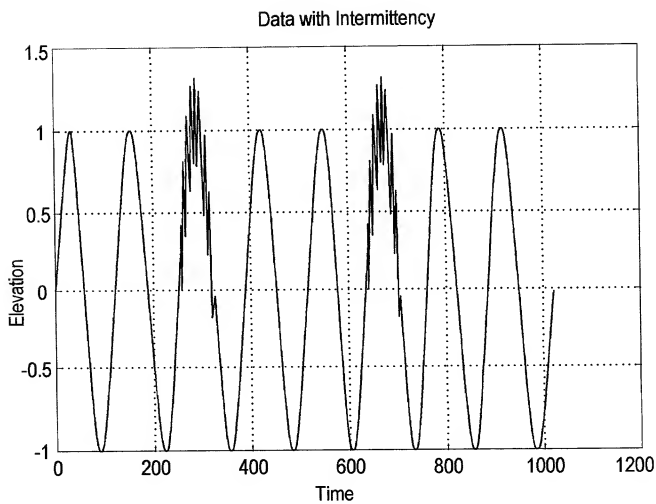


FIG. 3(g)



EMD-IMF without intermittency option

FIG. 3(h)

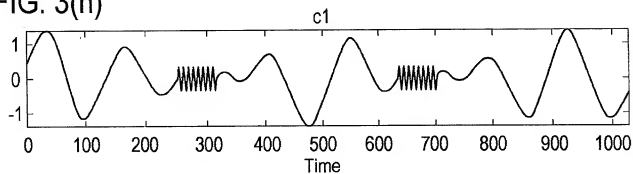


FIG. 3(i)

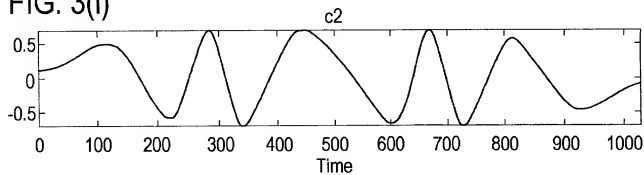


FIG. 3(j)

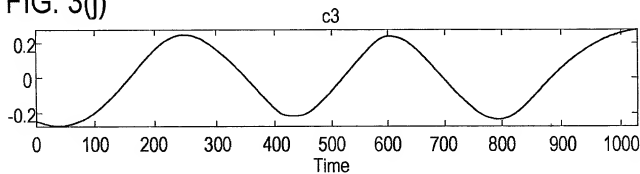


FIG. 3(k)

EMD-IMF without intermittency option

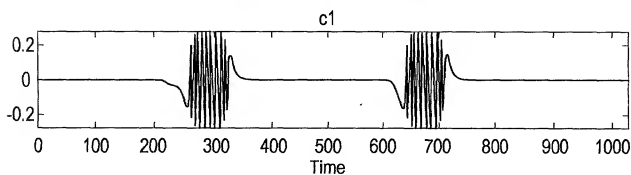


FIG. 3(l)

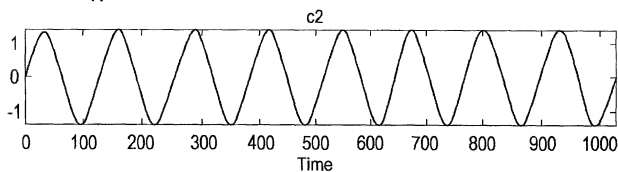


FIG. 3(m)

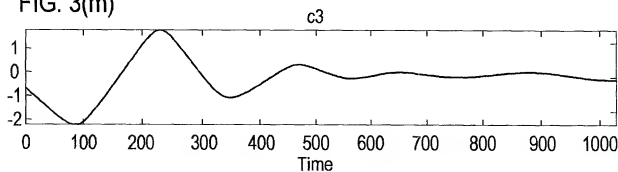


FIG. 4(a)

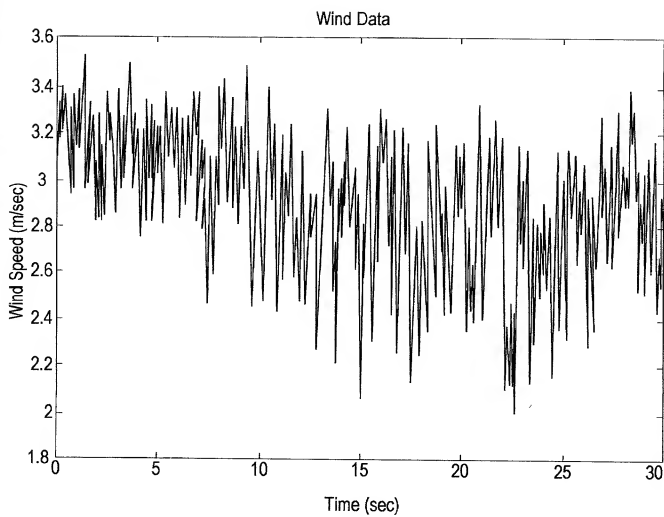


FIG. 4(b)

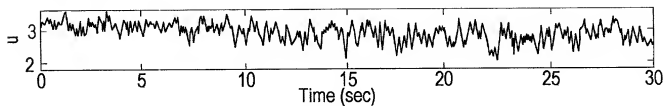


FIG. 4(c)

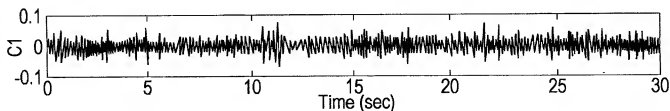


FIG. 4(d)

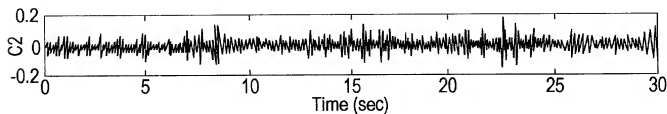


FIG. 4(e)

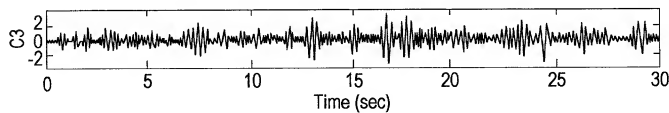


FIG. 4(f)

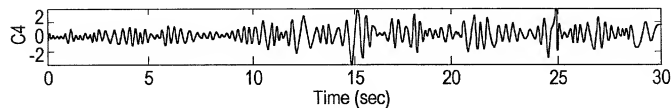


FIG. 4(g)

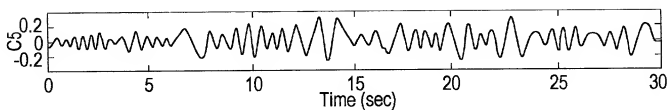


FIG. 4(h)

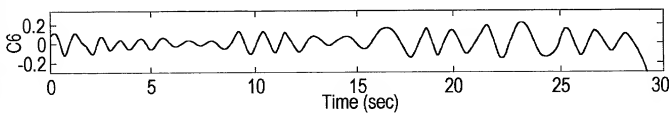


FIG. 4(i)

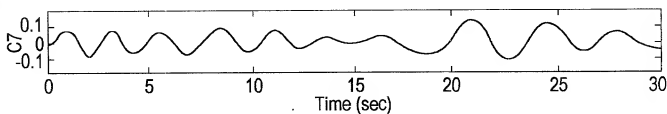


FIG. 4(j)

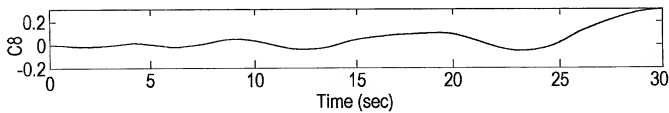


FIG. 4(k)

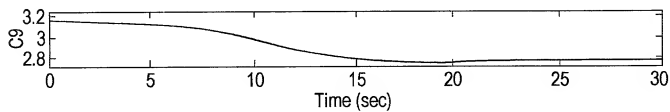


FIG. 5(a)

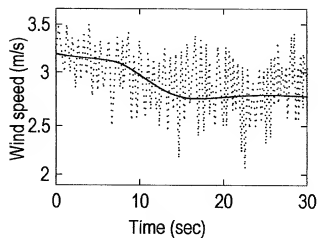


FIG. 5(b)

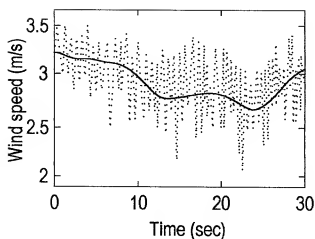


FIG. 5(c)

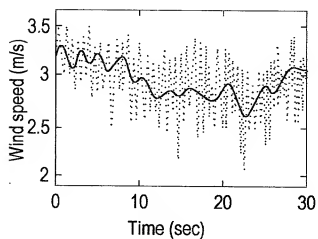


FIG. 5(d)

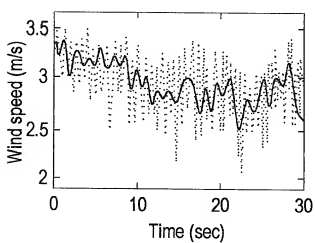


FIG. 5(e)

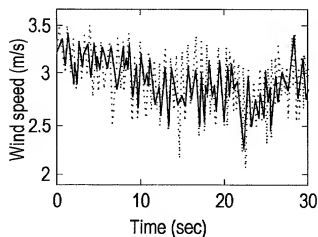


FIG. 5(f)

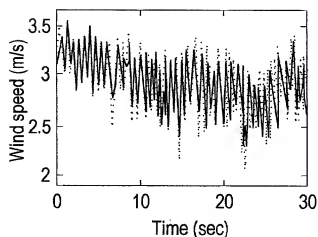


FIG. 5(g)

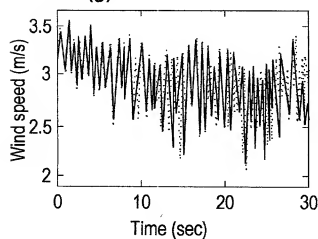


FIG. 5(h)

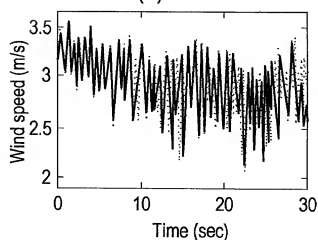


FIG. 5(i)

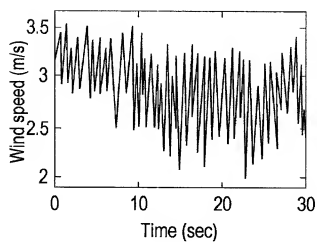


FIG. 5(j)

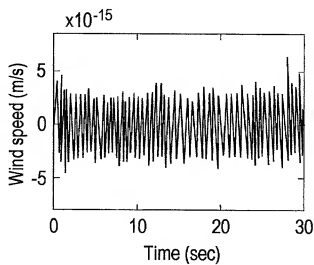


FIG. 6(a)

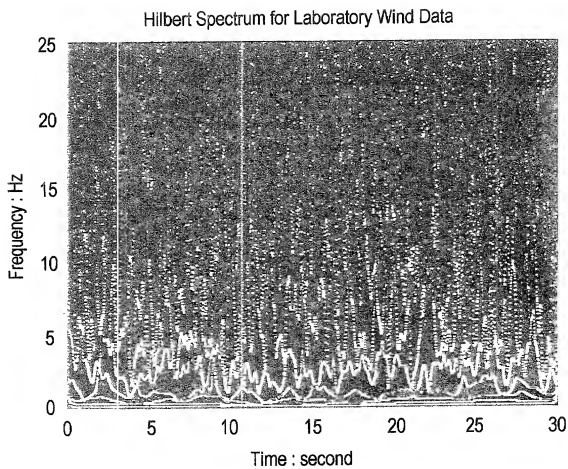


FIG. 6(b)

Wavelet Spectrum for Laboratory Wind Data

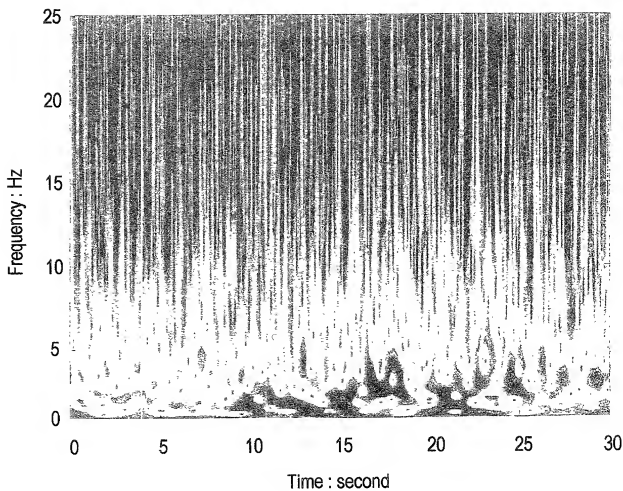


FIG. 6(c)

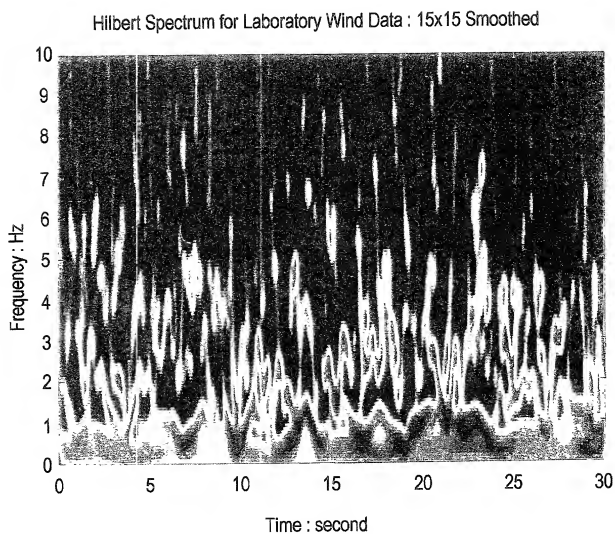


FIG. 7

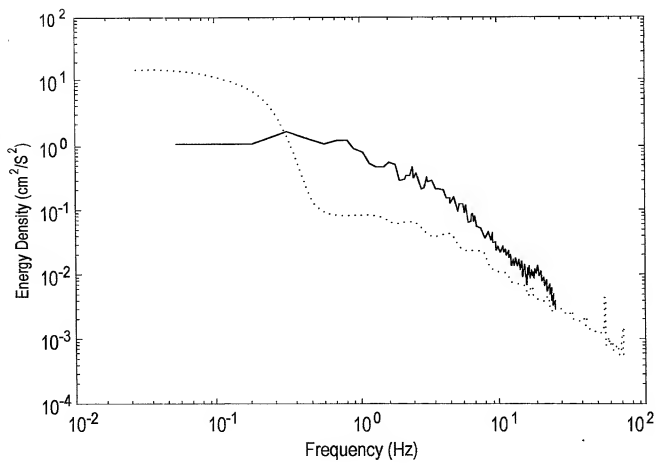


FIG. 8(a)

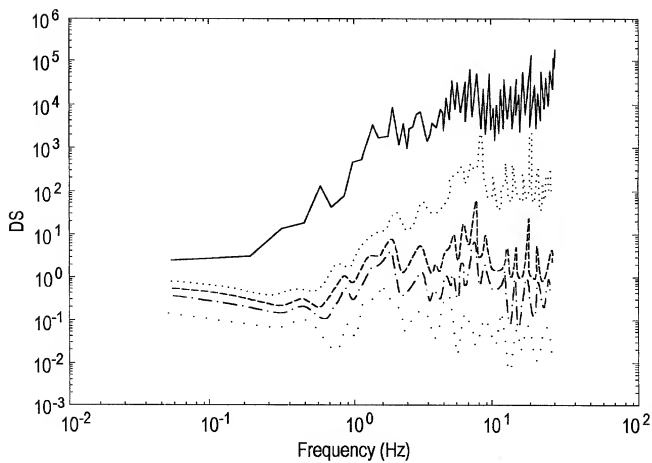


FIG. 8(b)

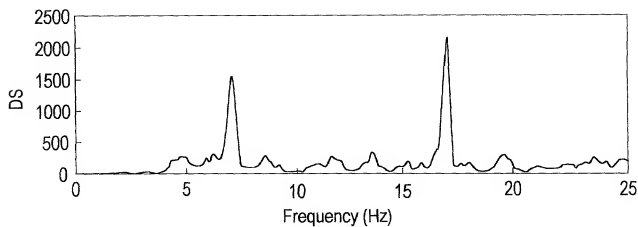
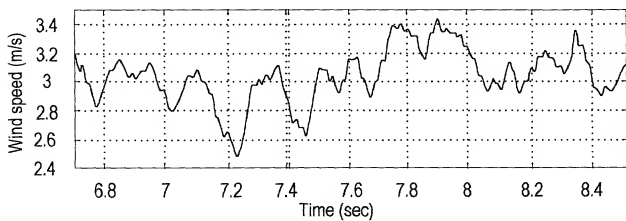


FIG. 8(c)



PULMONARY ARTERIAL PRESSURE OF RAT (24 HR.)

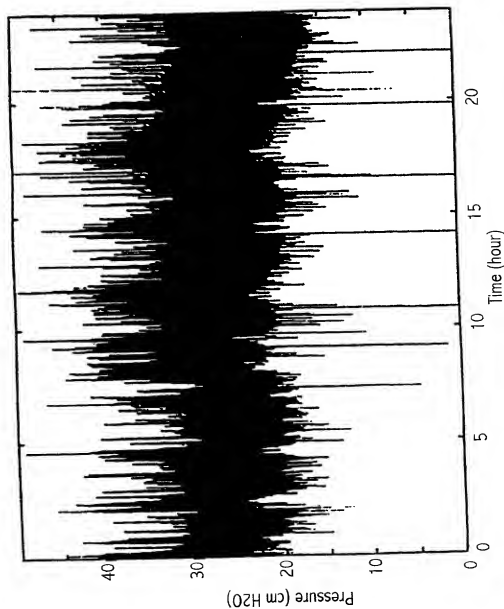


FIG. 9(a)

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ONE HOUR STRIP

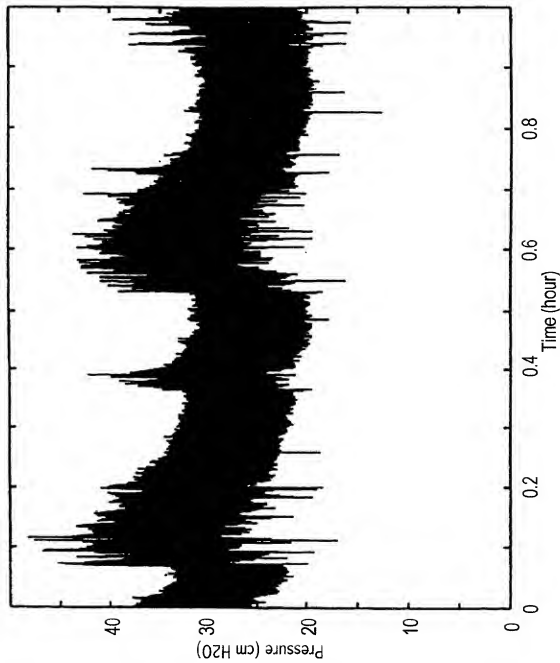


FIG. 9(b)

FIG. 9(c)

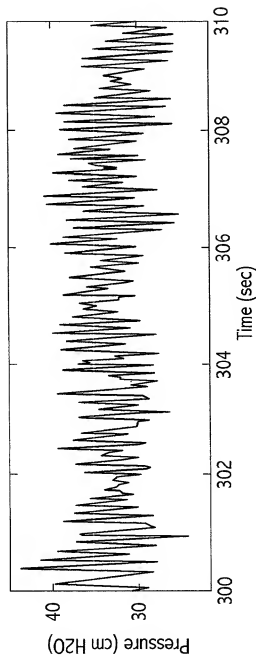


FIG. 9(d)

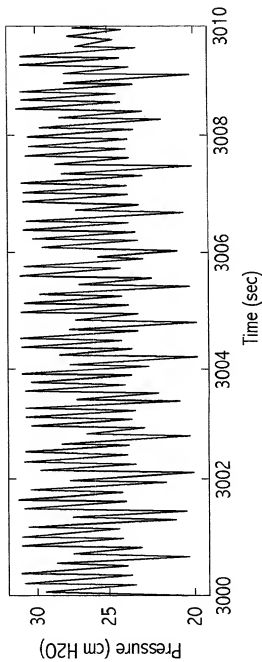


FIG. 9(e)

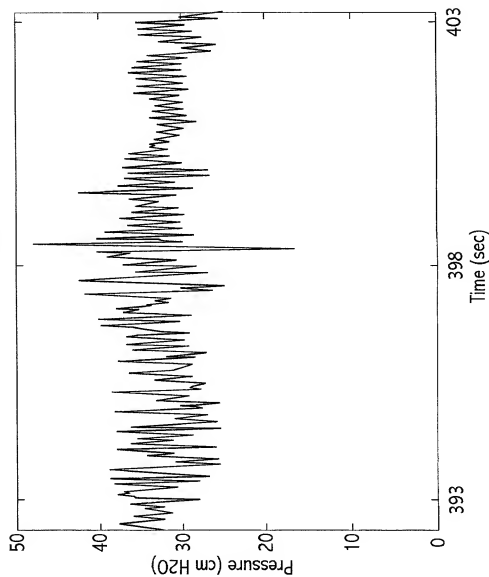


FIG. 9(f)

SYSTOLIC PRESSURES IN 1 HR.

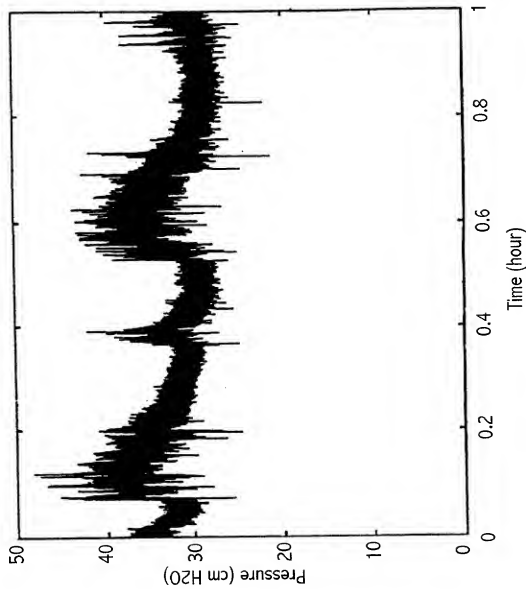


FIG. 9(g)

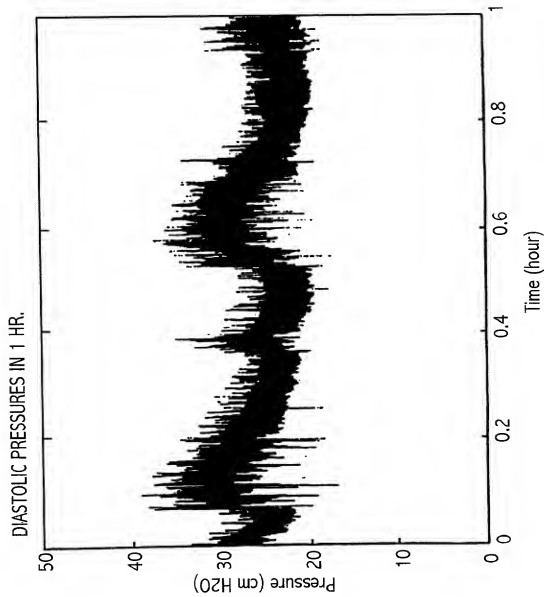
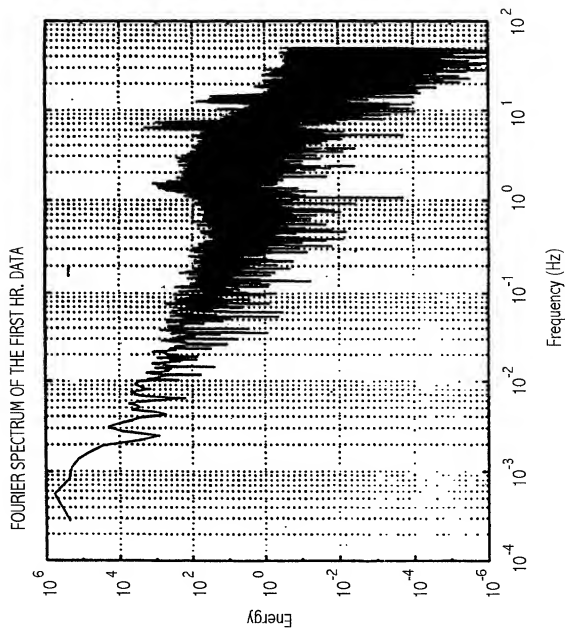


FIG. 10(a)



FOURIER SPECTRUM OF TWO 10-SEC STRIPS

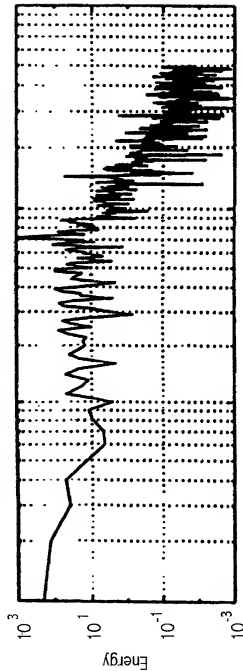


FIG. 10(b)

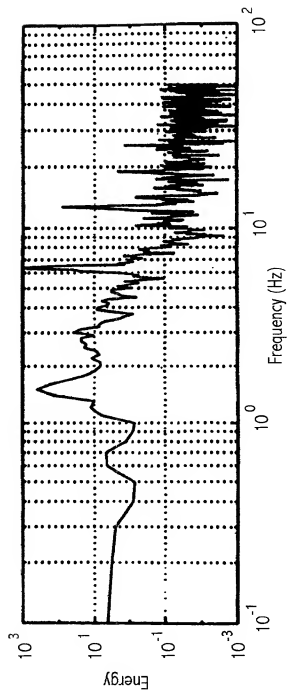


FIG. 10(c)

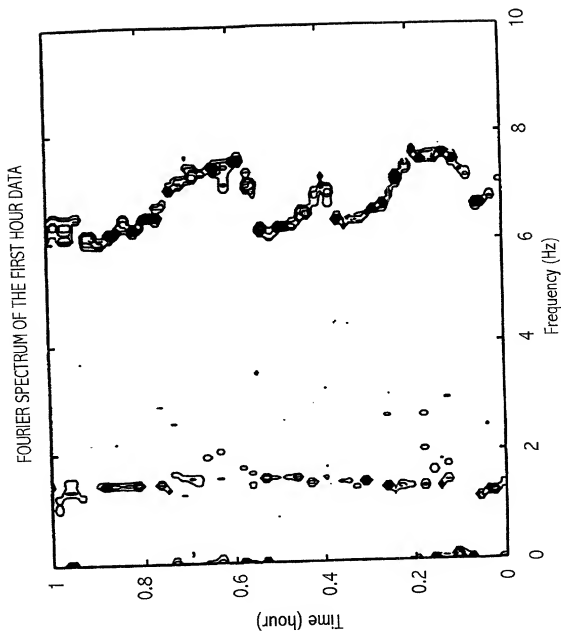


FIG. 10(d)

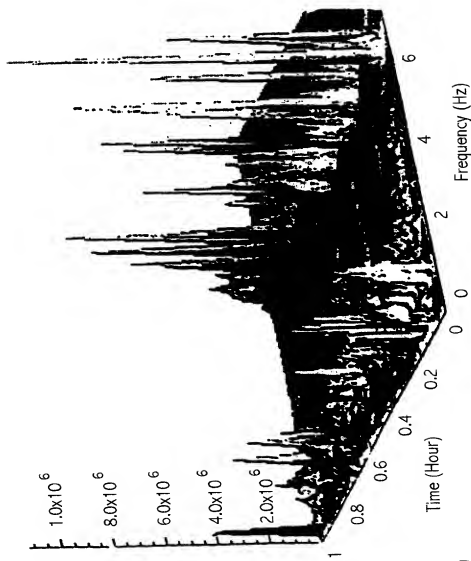


FIG. 10(e)

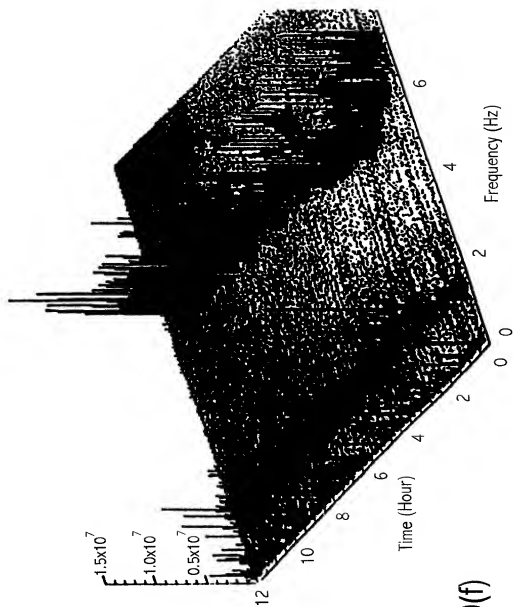


FIG. 10(f)

FOURIER AND MARGINAL HILBERT SPECTRA, FIRST 10-SEC.

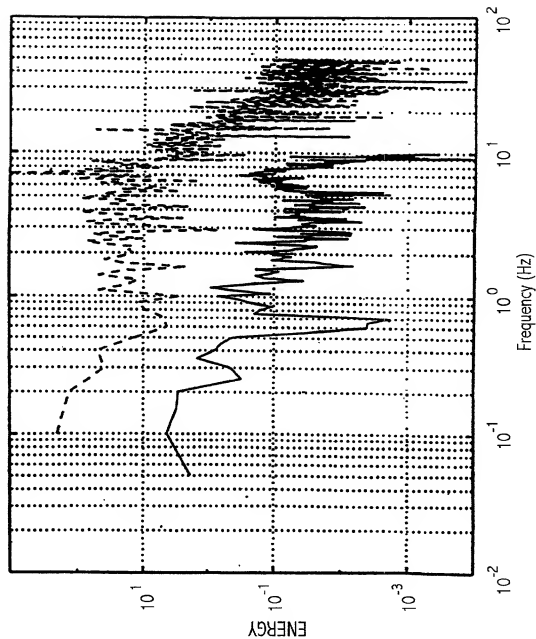
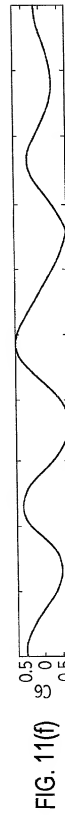
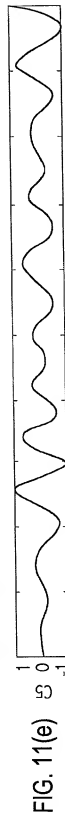
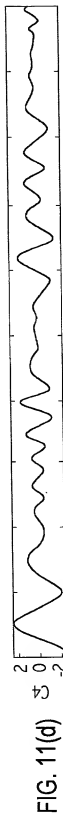


FIG. 10(g)

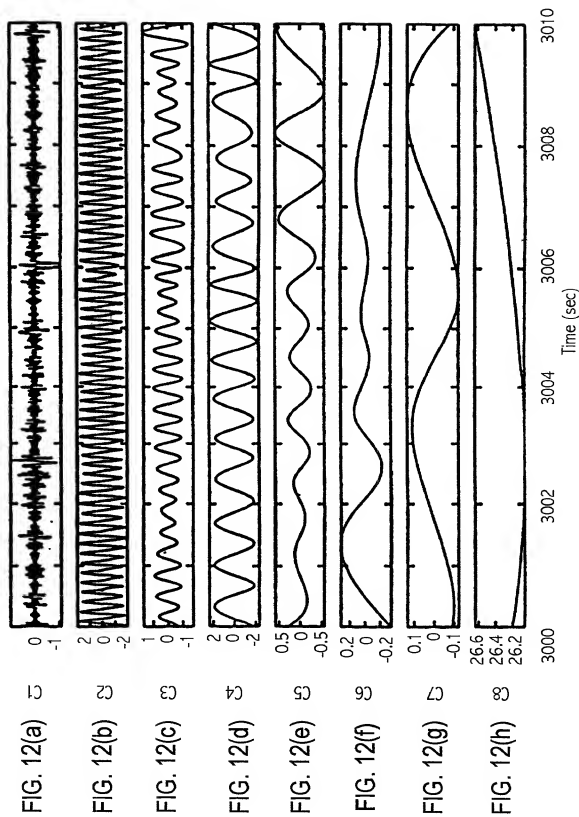
IMF COMPONENTS OF THE FIRST 10-SEC. STRIP



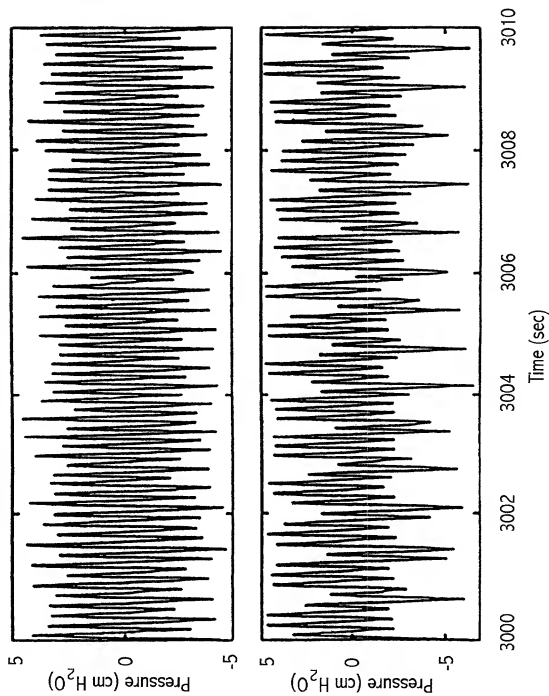
Time (sec)

300 302 304 306 308 310

IMF-COMPONENTS OF THE SECOND 10-SEC. STRIP



UPPER PANEL: C1 + C2 + C3; LOWER PANEL: C2 + C3 + C4



SUM C4 TO C8 OF THE SECOND 10-SEC STRIP

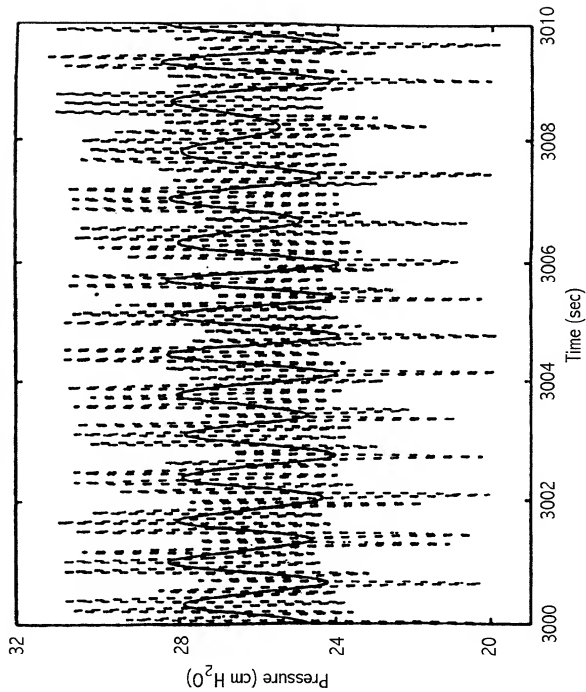


FIG. 13(c)

HHT-SPECTRUM OF THE SECOND 10-SEC STRIP

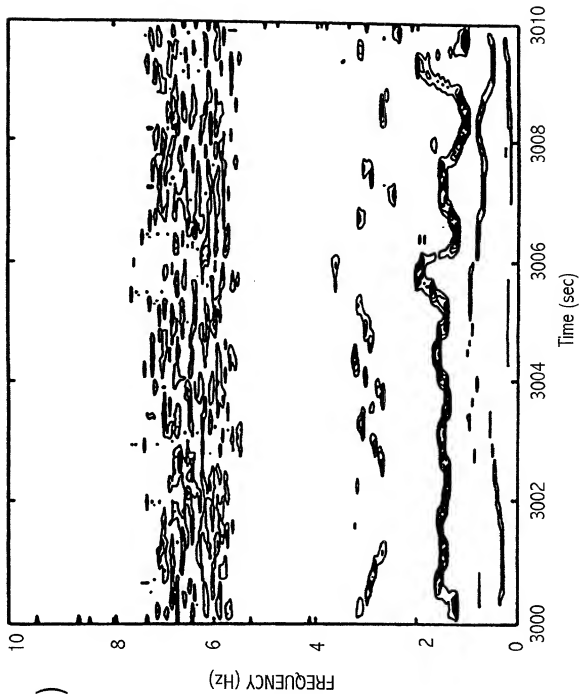


FIG. 14(a)

HHT-SPECTRUM OF THE FIRST 10-SEC STRIP

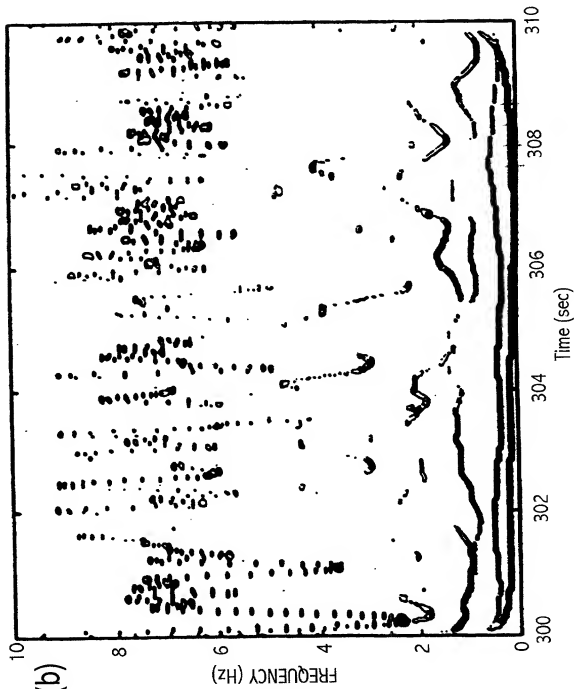
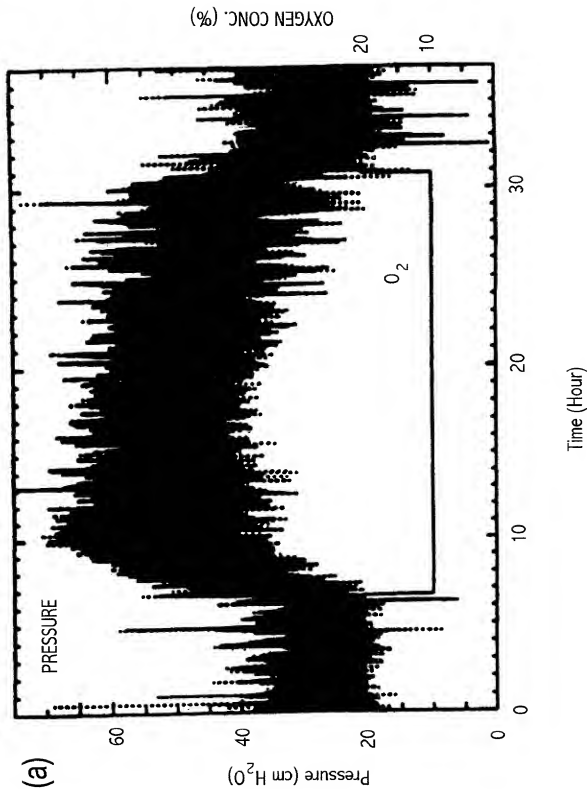


FIG. 14(b)

FIG. 15(a)



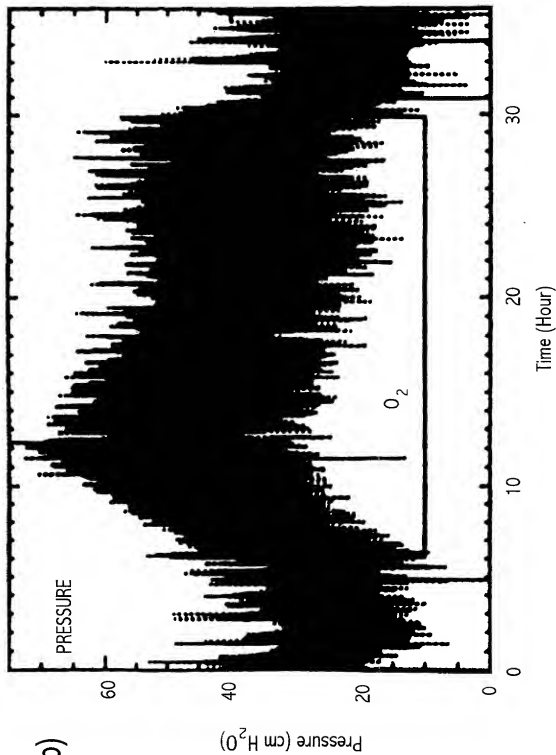
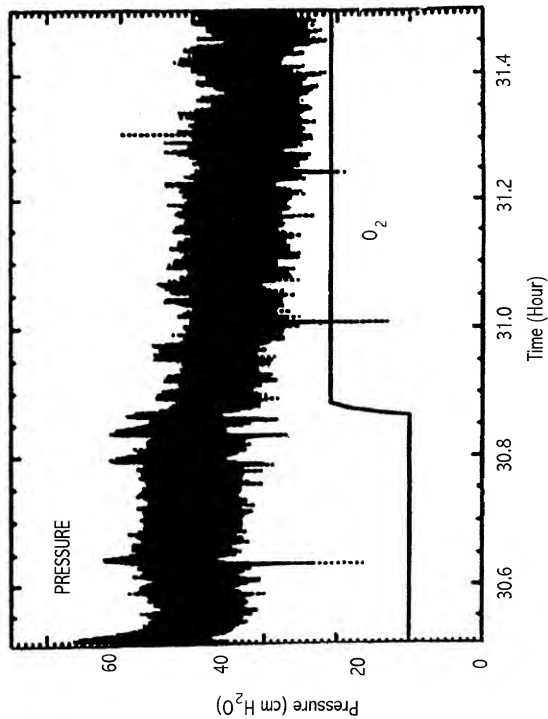
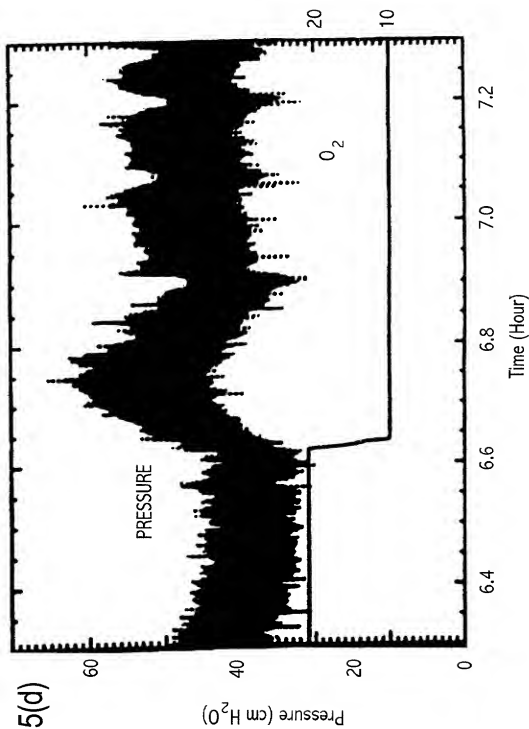
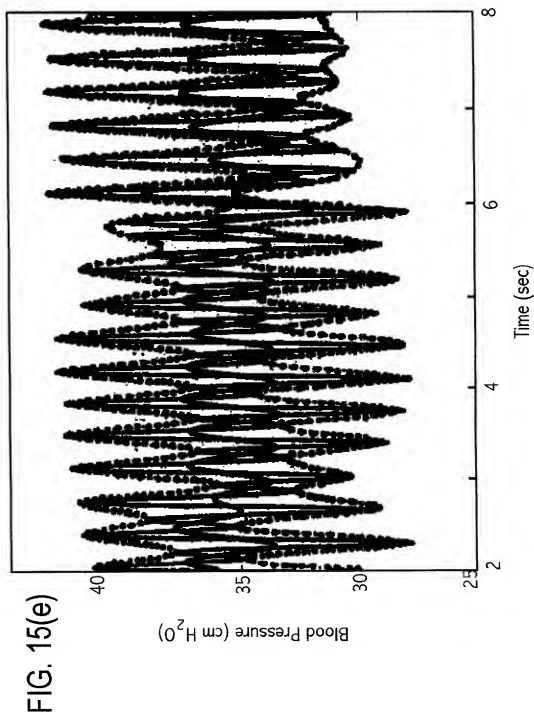


FIG. 15(c)







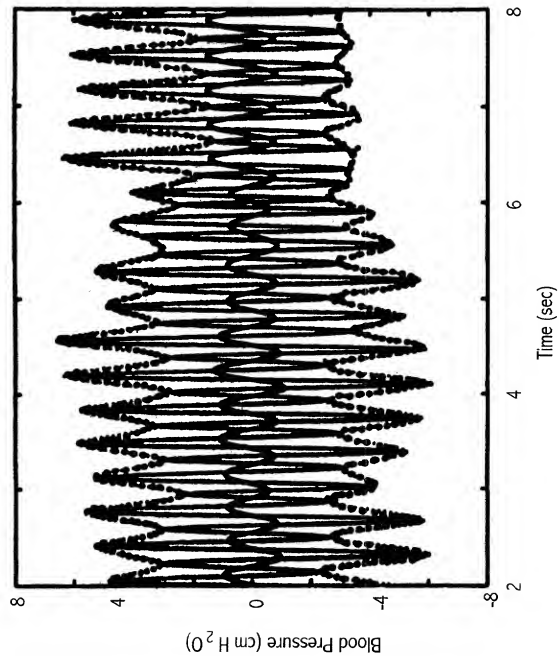


FIG. 15(f)

FIG. 15(g)

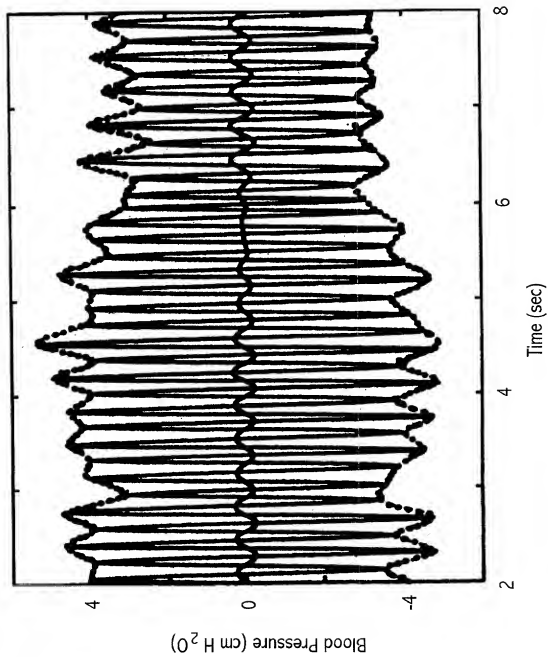


FIG. 15(h)

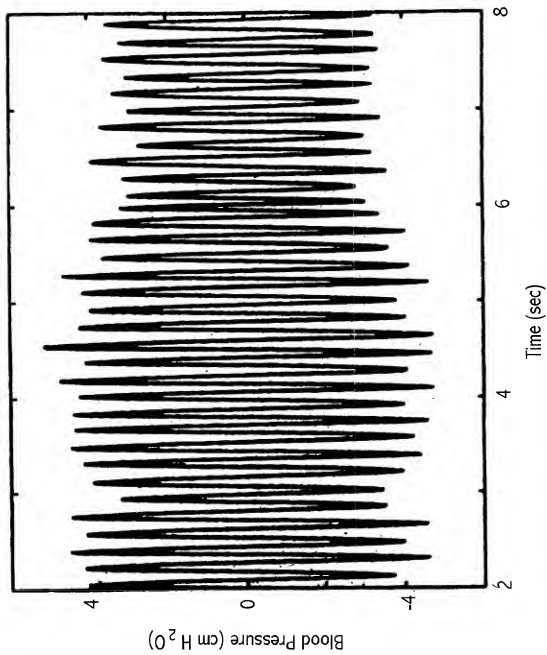


FIG. 16(a)

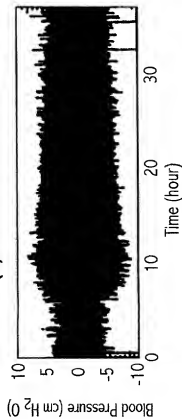


FIG. 16(b)

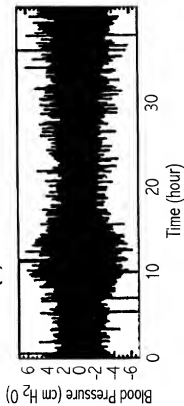


FIG. 16(c)

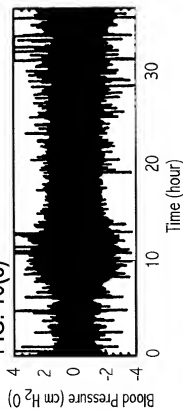


FIG. 16(d)

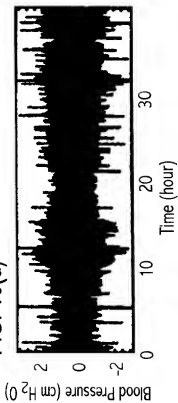


FIG. 16(e)

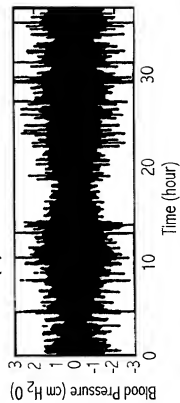


FIG. 16(f)

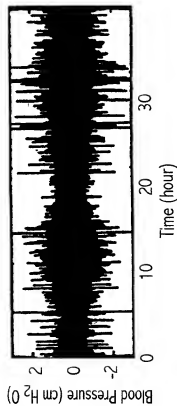


FIG. 16(g)

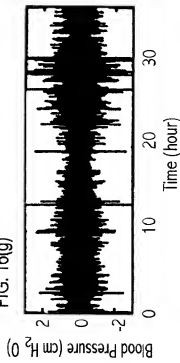


FIG. 16(h)

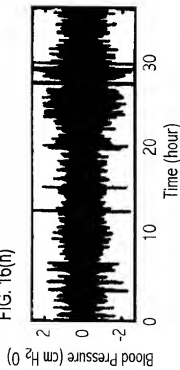


FIG. 16(i)

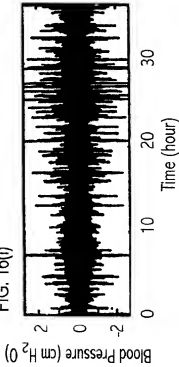


FIG. 16(j)

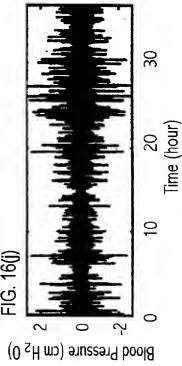


FIG. 16(k)

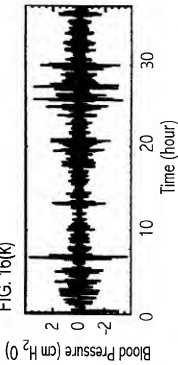


FIG. 16(l)

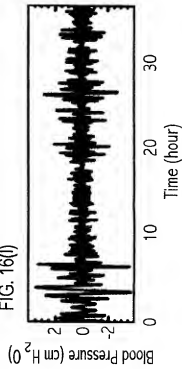


FIG. 16(m)

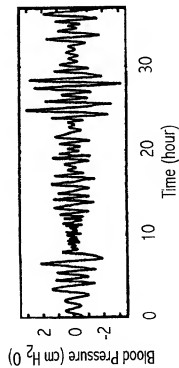


FIG. 16(n)

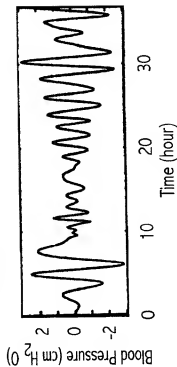


FIG. 16(o)

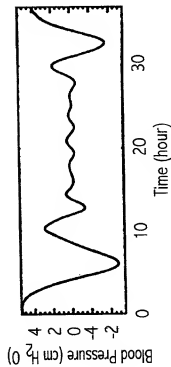


FIG. 16(p)

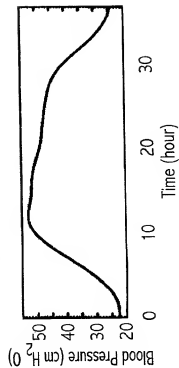


FIG. 17(a)

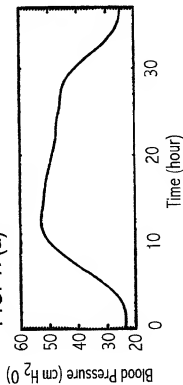


FIG. 17(b)



FIG. 17(c)

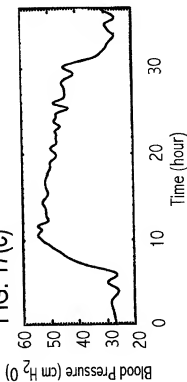


FIG. 17(d)

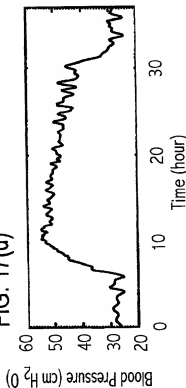


FIG. 17(e)

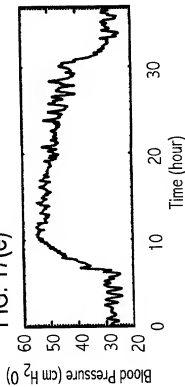


FIG. 17(f)

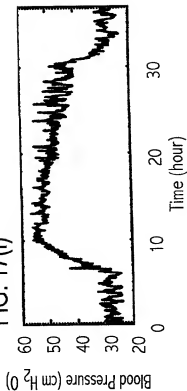


FIG. 18(a)

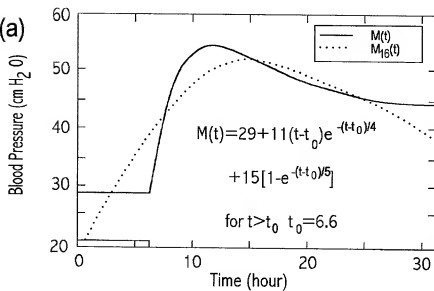


FIG. 18(b)

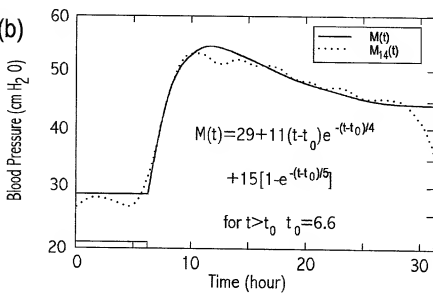


FIG. 18(c)

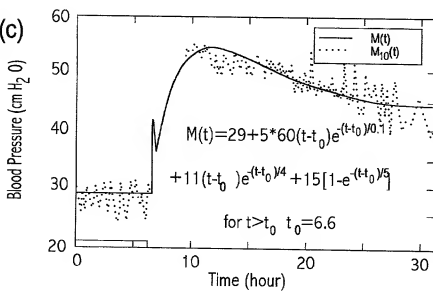


FIG. 19(a)

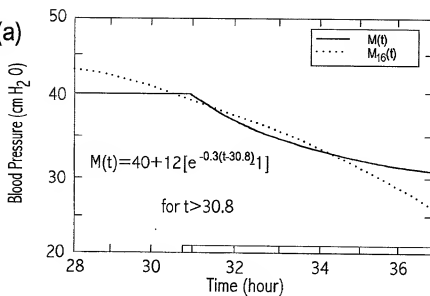


FIG. 19(b)

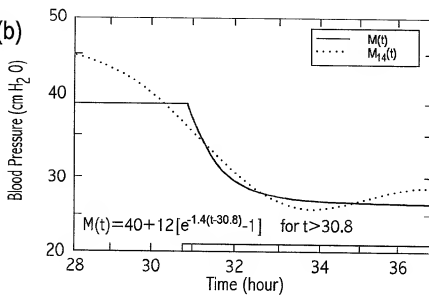


FIG. 19(c)

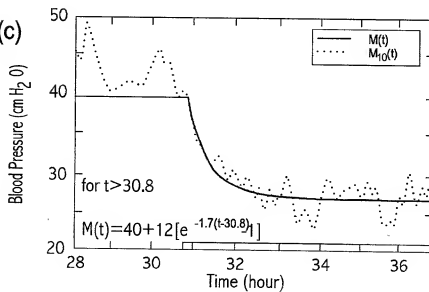


FIG. 20(a)

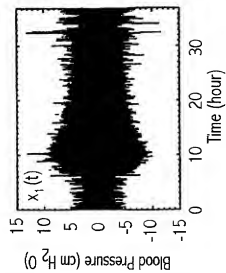
 $k=1$ 

FIG. 20(b)

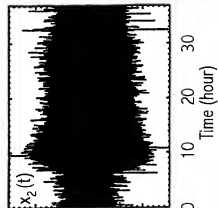
 $k=2$ 

FIG. 20(c)

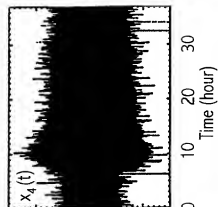
 $k=4$ 

FIG. 20(d)

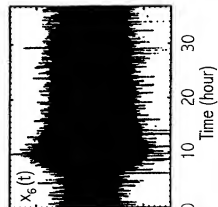
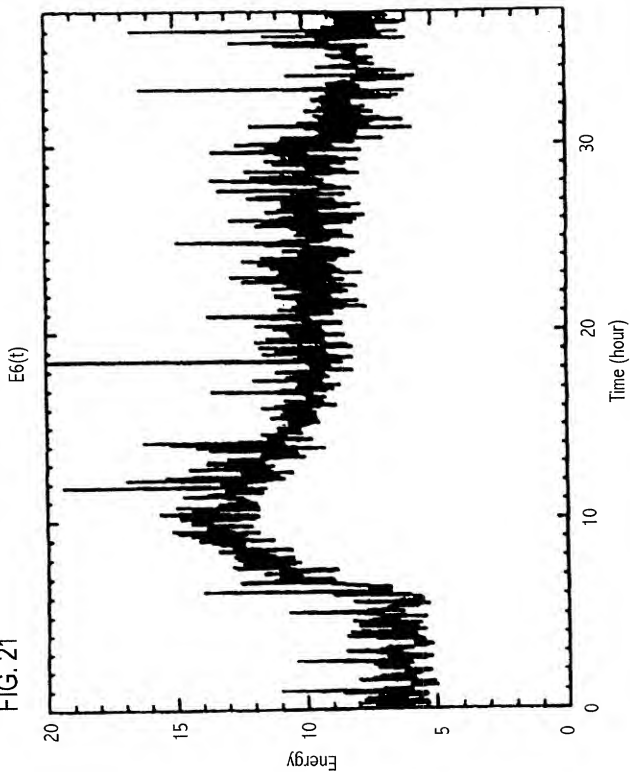
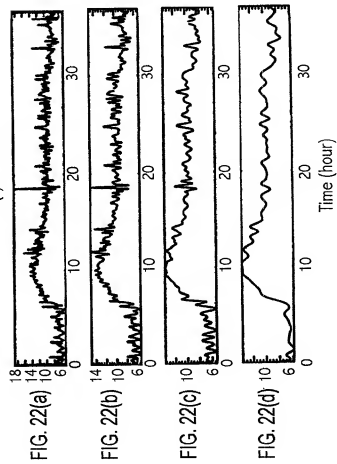
 $k=6$ 

FIG. 21



CEK(t): k=9-12



CEK(t): k=13-16

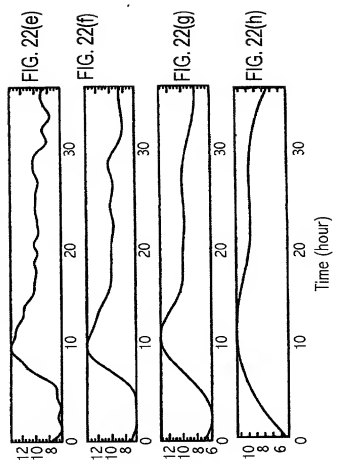
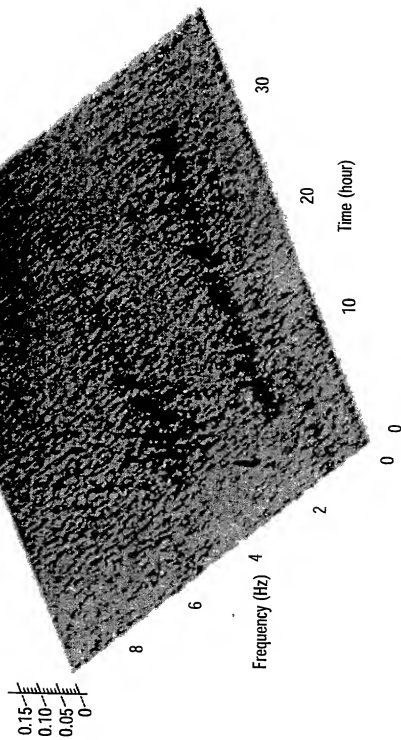


FIG. 23(a)



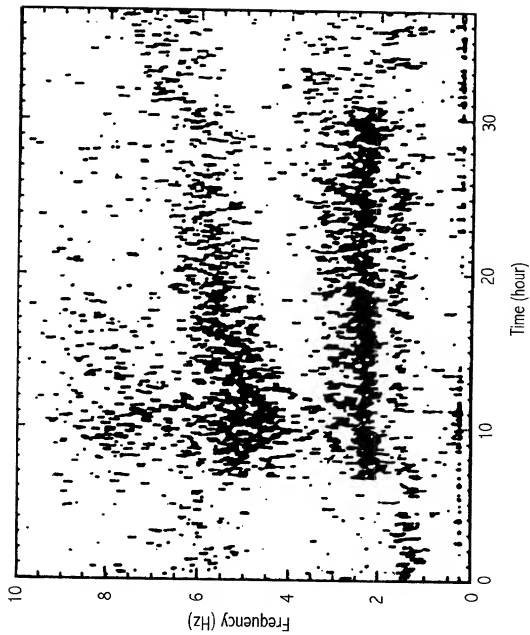


FIG. 23(b)

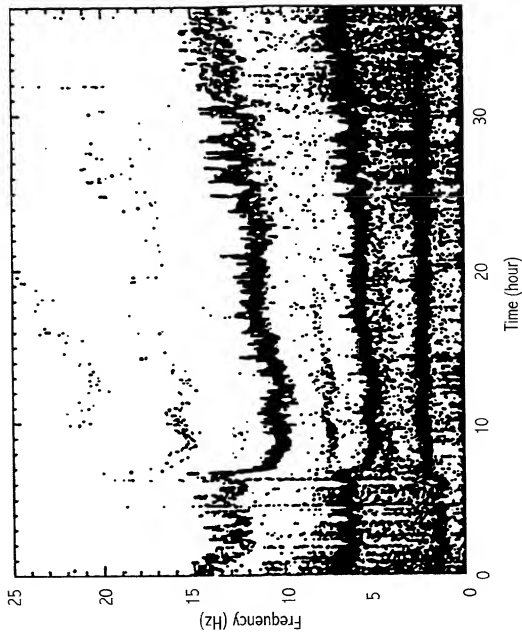


FIG. 25

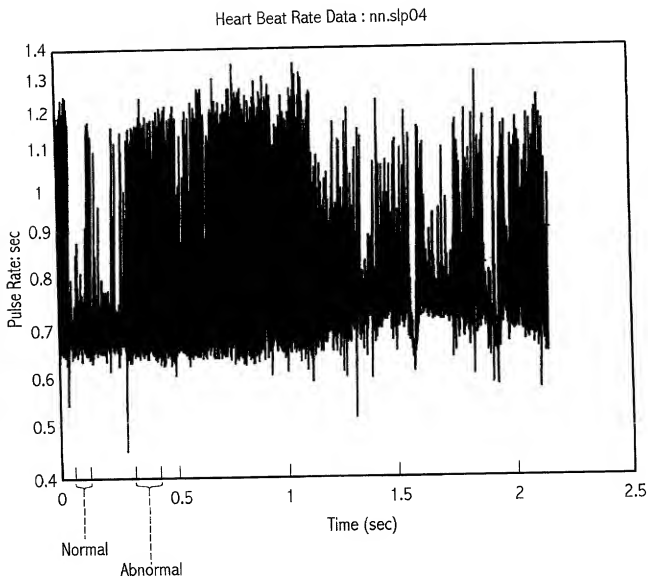
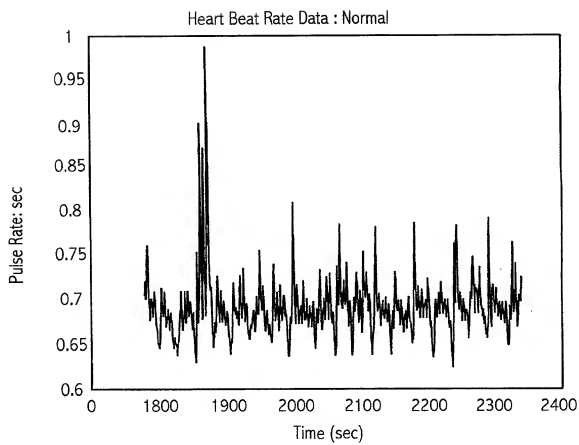


FIG. 26



IMF Normal

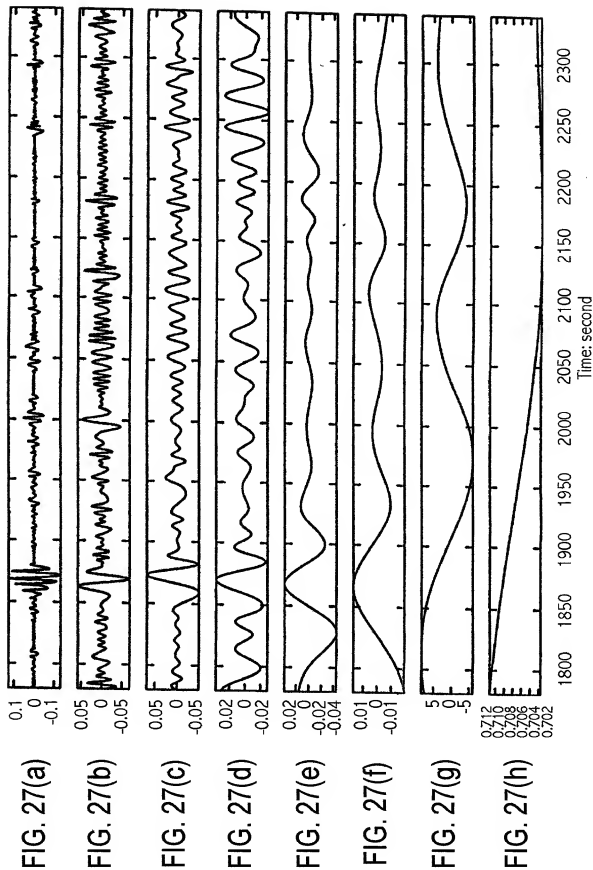


FIG. 28

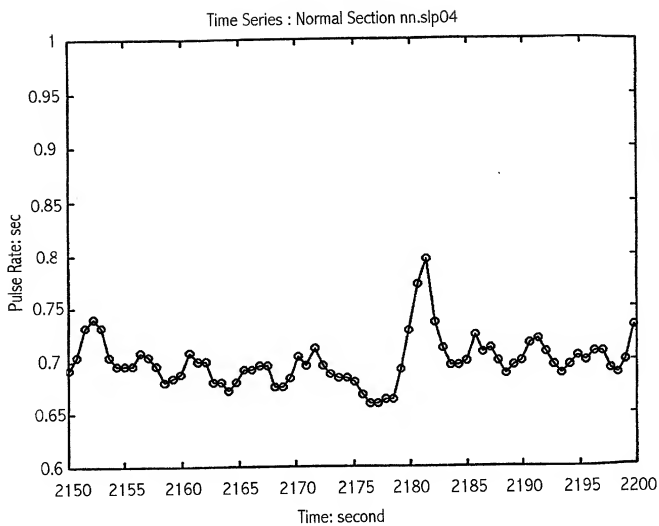


FIG. 29

Hilbert Spectrum : Normal

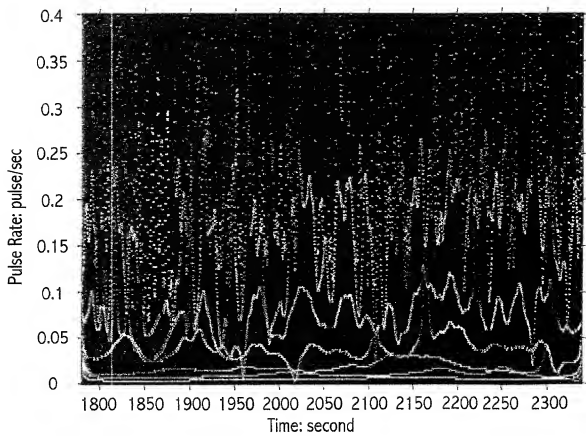
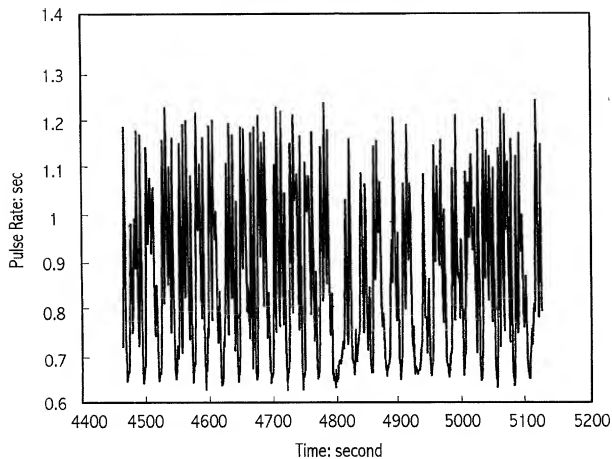


FIG. 30

Heart Beat Rate Data : Abnormal



IMF Abnormal

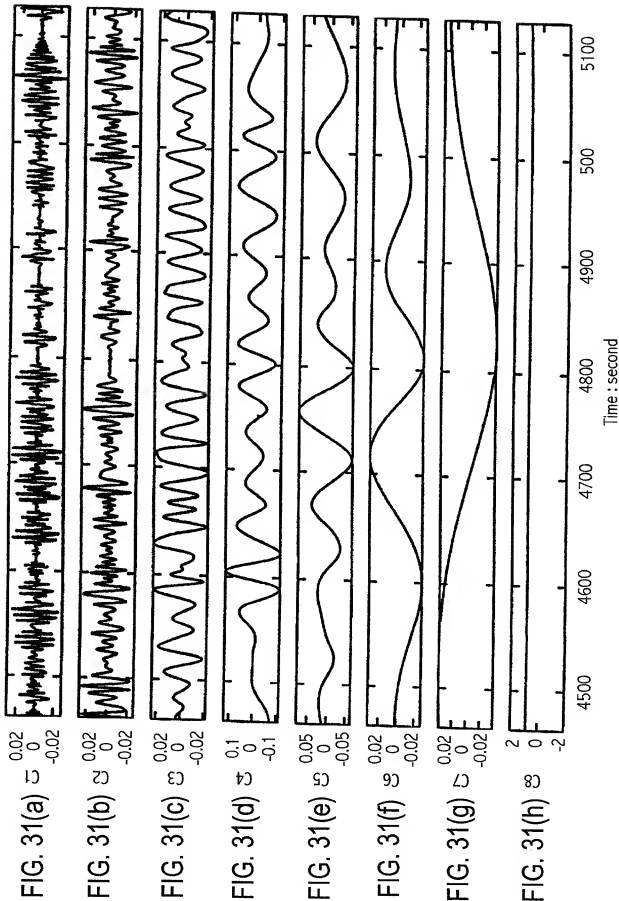
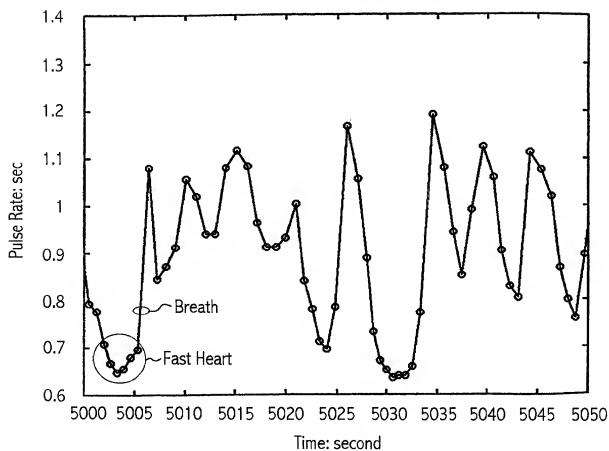


FIG. 32

Time Series : Abnormal Section nn.slp04



10073957 021300
202120 25632001

FIG. 33

Hilbert Spectrum

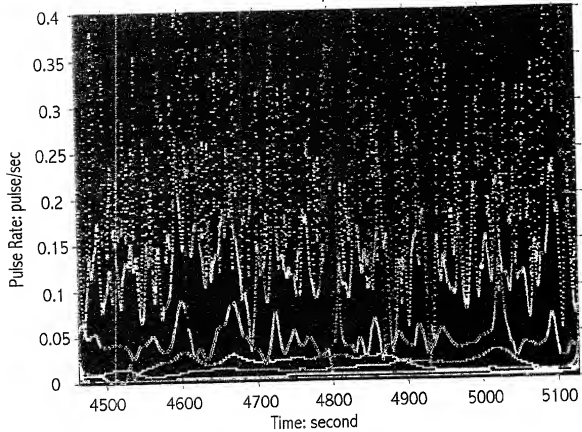
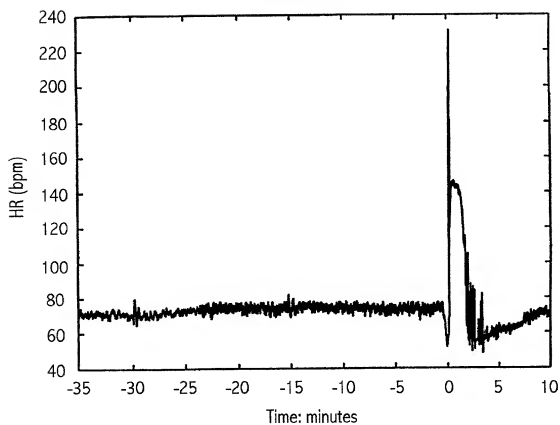
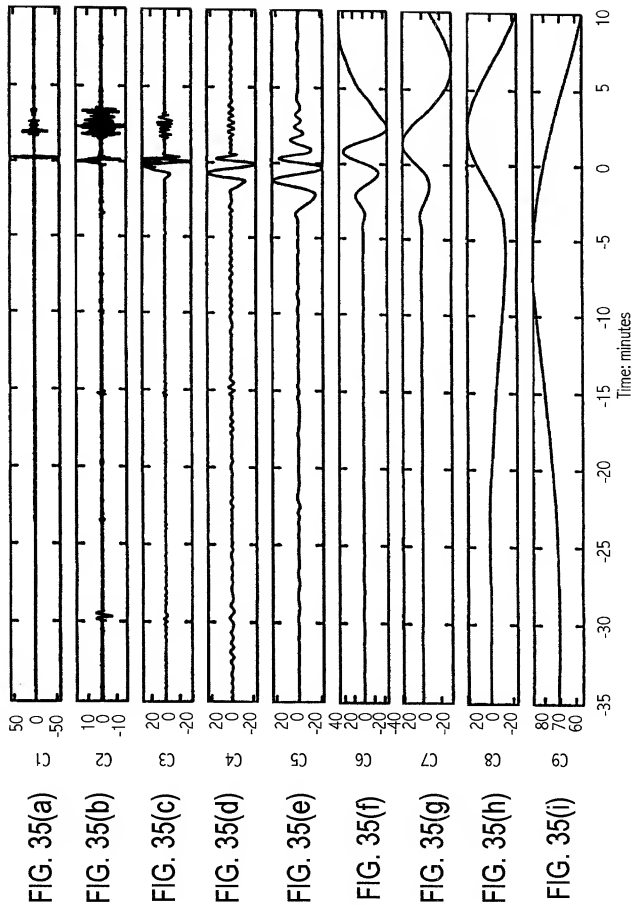


FIG. 34

Seizure Data





Intrinsic Mode Decomposition

FIG. 36(a)

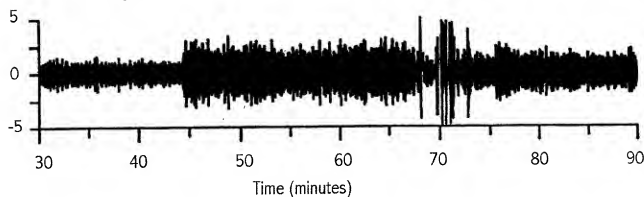


FIG. 36(b)

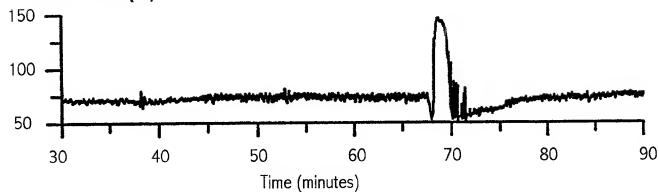


FIG. 36(c)

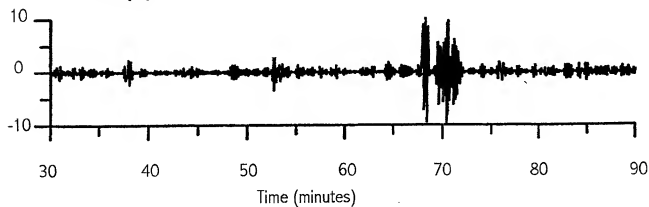


FIG. 37

Hilbert Spectrum Seizure Data

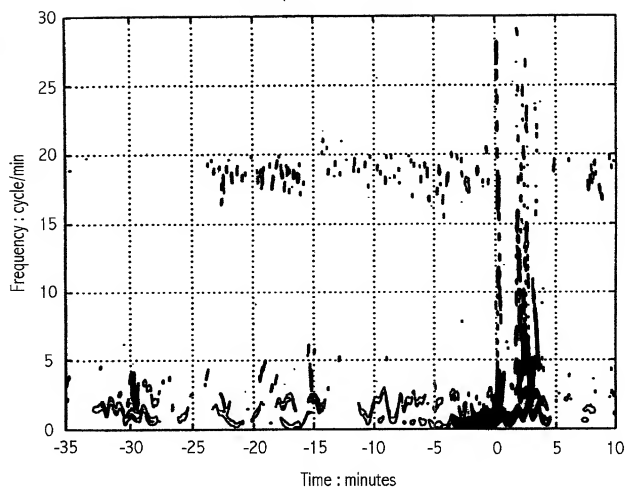
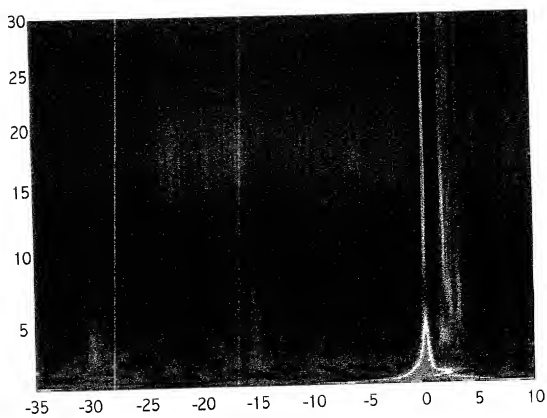


FIG. 38



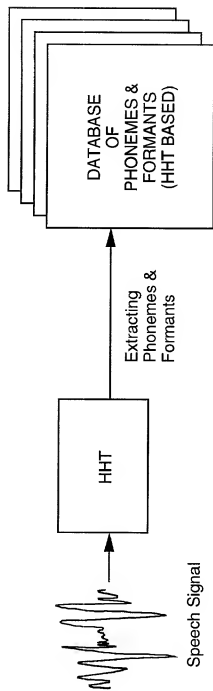


FIG. 39

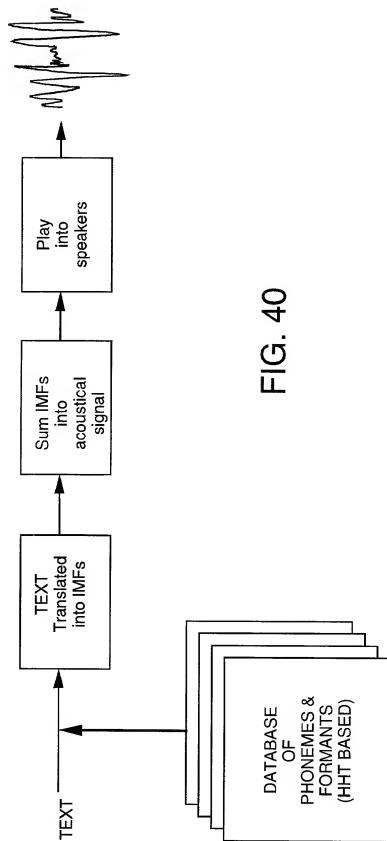


FIG. 40

FIG. 41

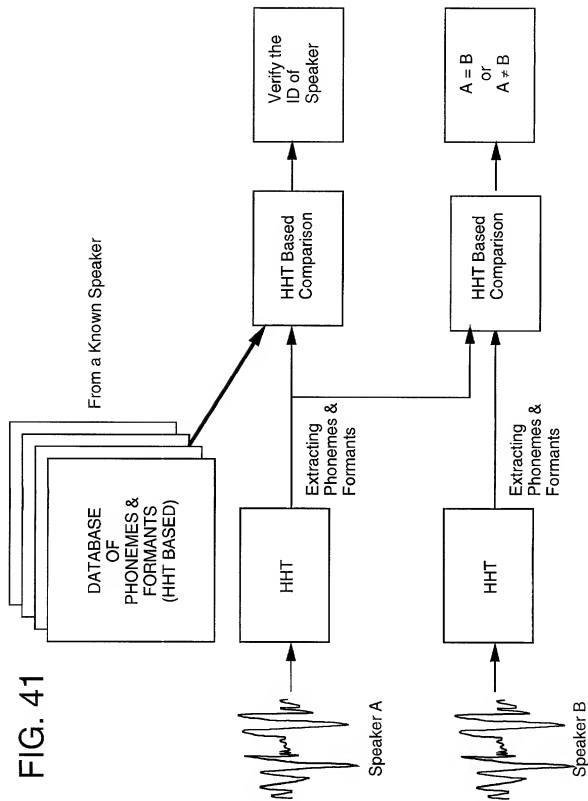
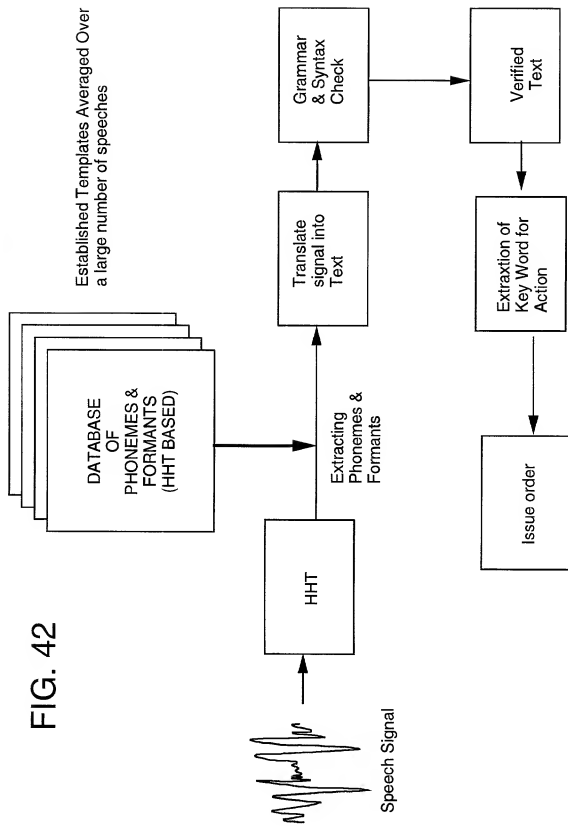


FIG. 42



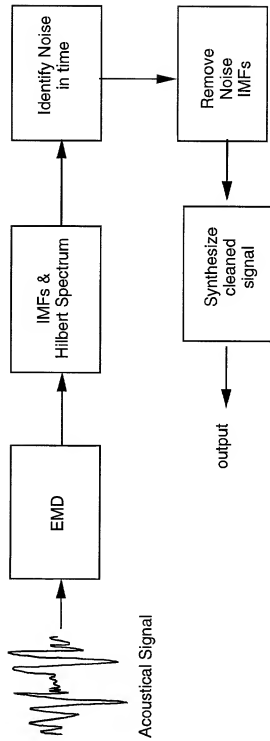


FIG. 43

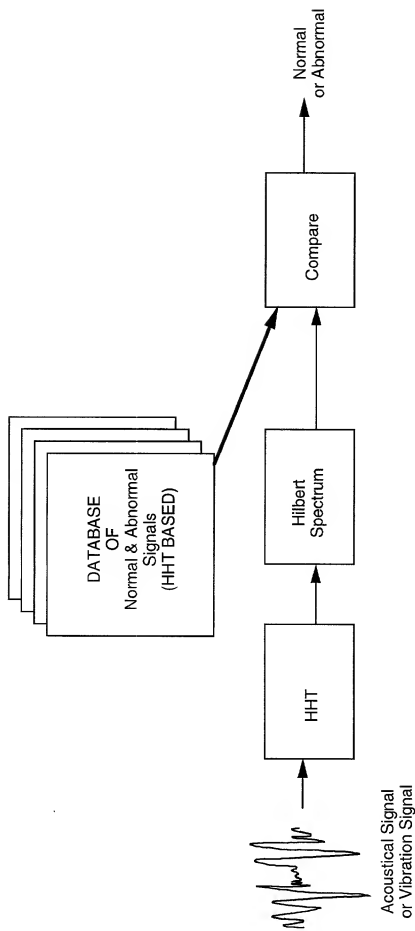


FIG. 44

Voice Mammals

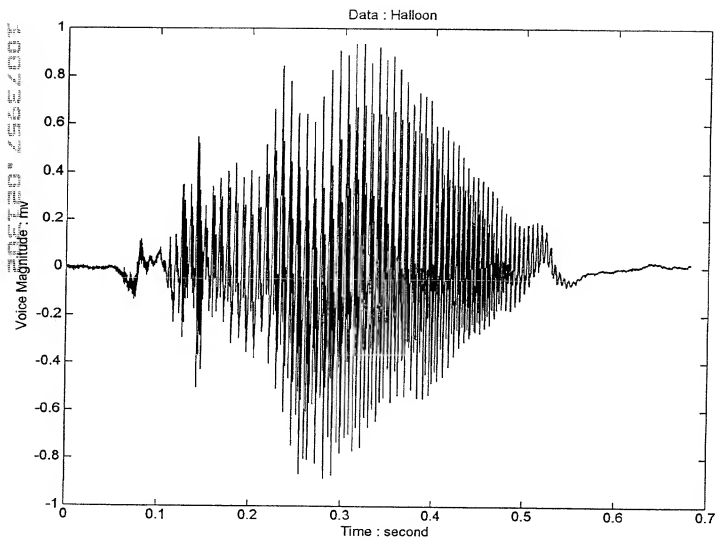


FIG. 45(b)

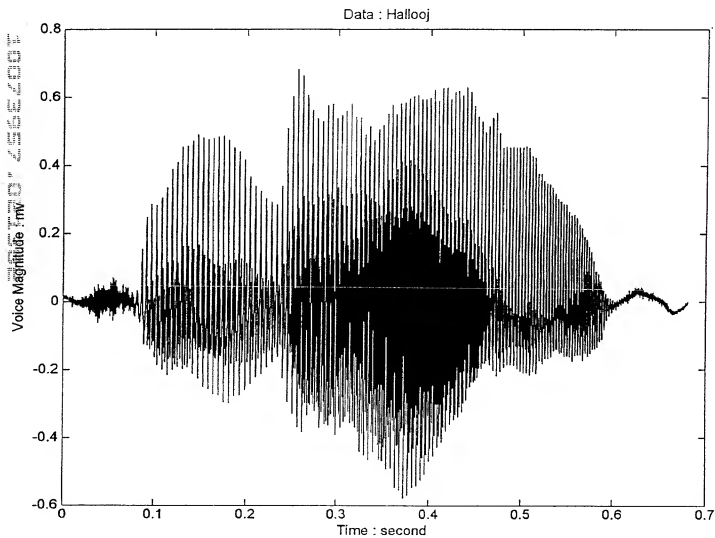


FIG. 46(a)

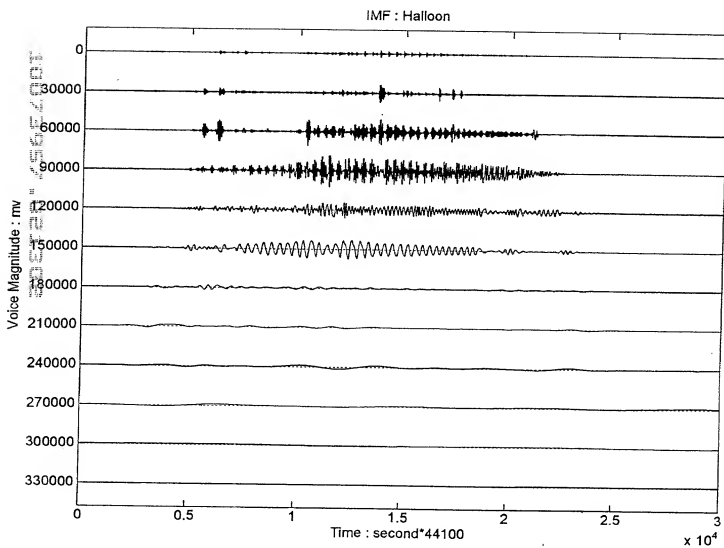


FIG. 46(b)

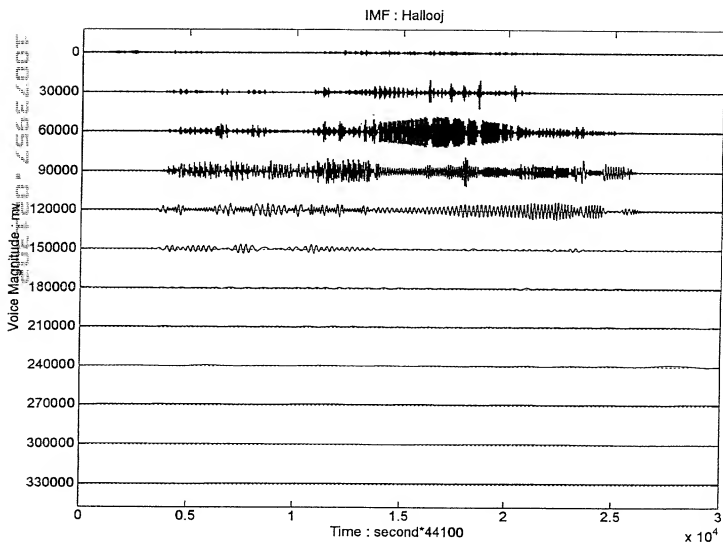


FIG. 47(a)

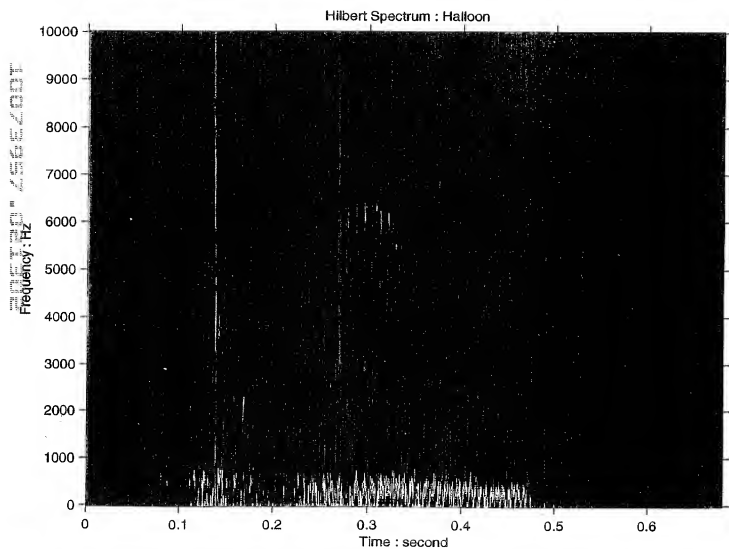


FIG. 47(b)

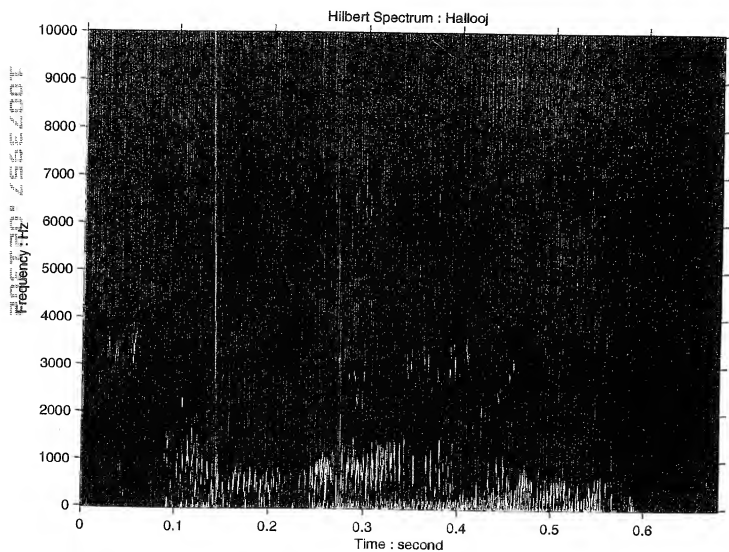


FIG. 48(a)

Fourier Spectrogram (1024): Halloon

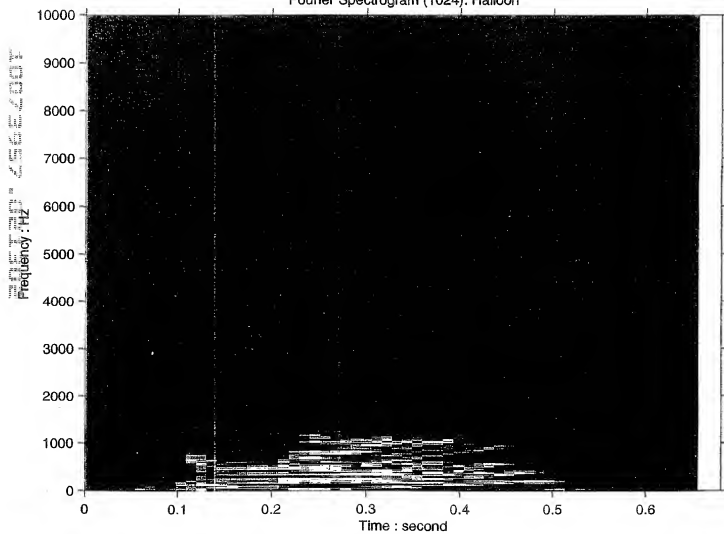


FIG. 48(b)

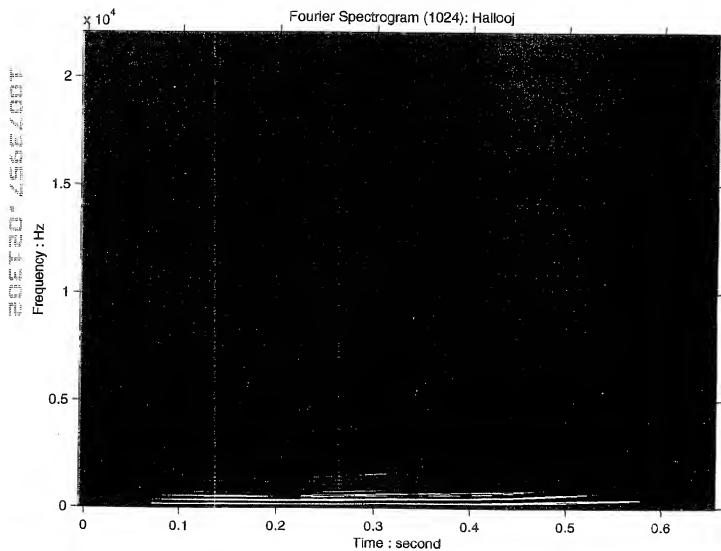


FIG. 49(a)

Detailed Hilbert Spectrum : Halloon

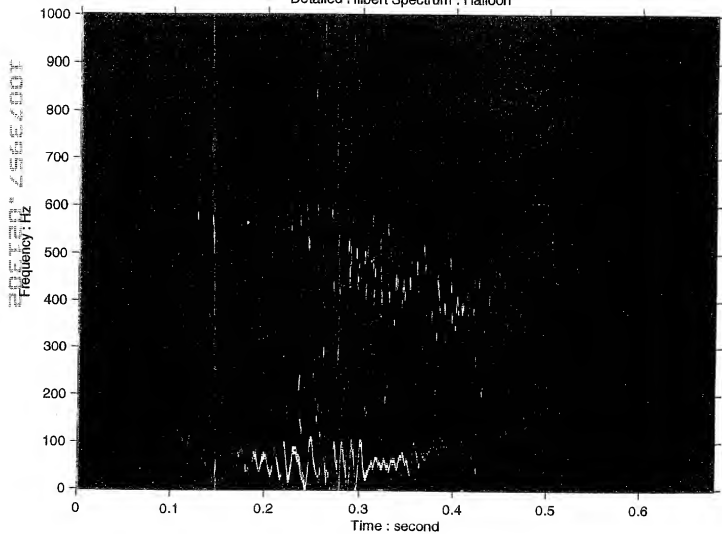


FIG. 49(b)

Detailed Hilbert Spectrum : Halloj

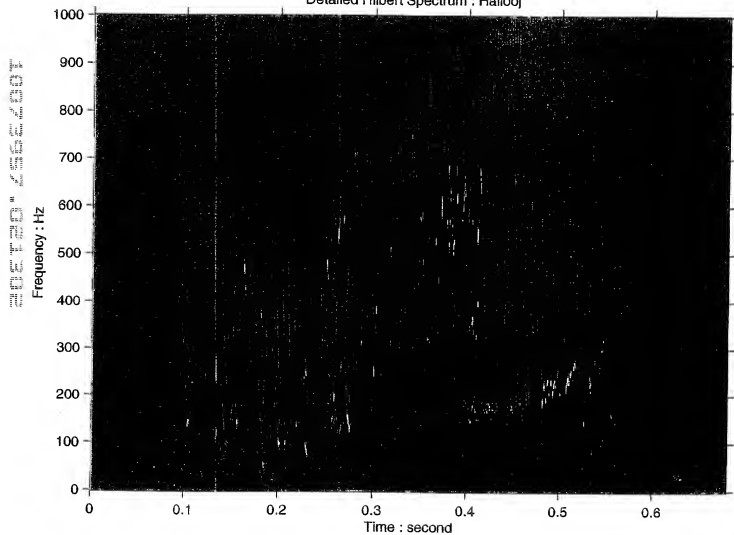


FIG. 50

Fourier Spectrogram (128) : Halloon

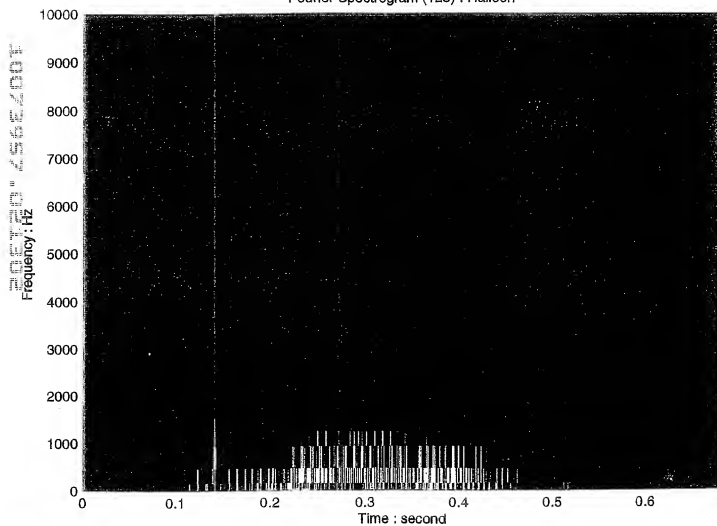


FIG. 51(a)

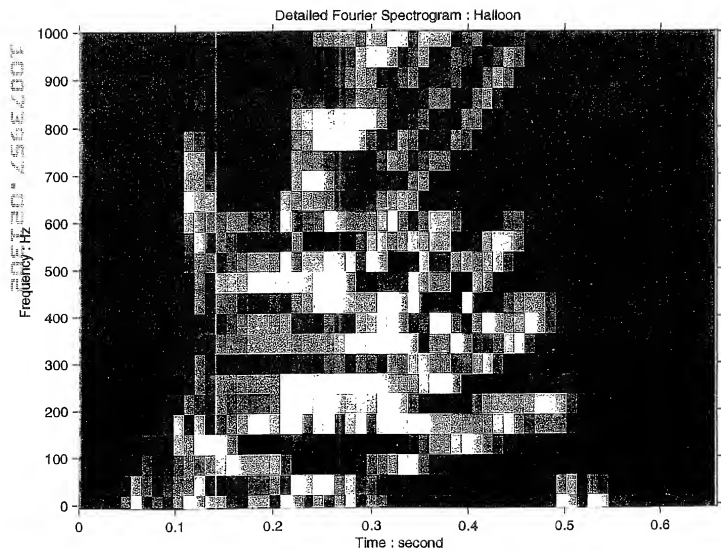


FIG. 51(b)

Detailed Fourier Spectrogram (128) : Halloon

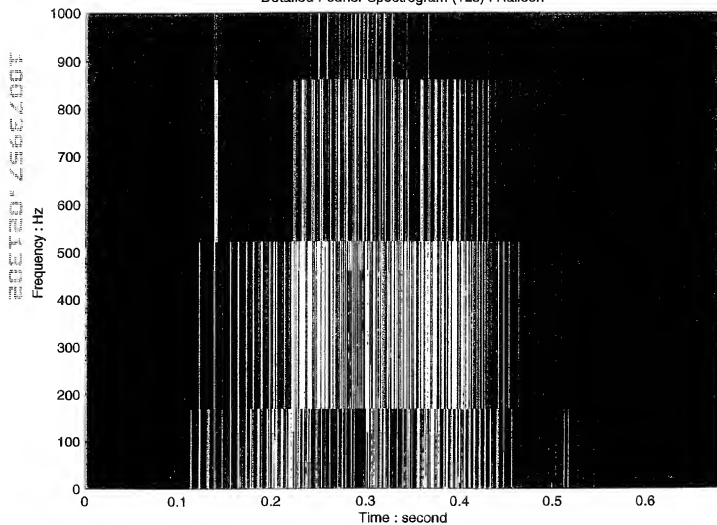


FIG. 52(a)

Detailed Morlet Wavelet Spectrum : Halloon

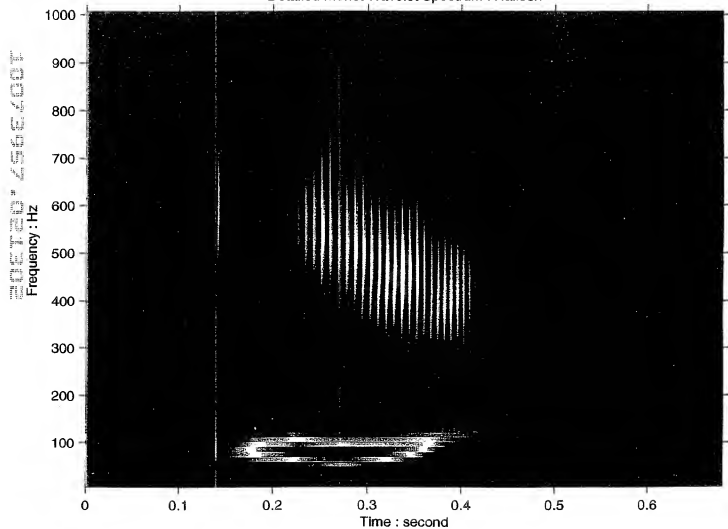


FIG. 52(b)

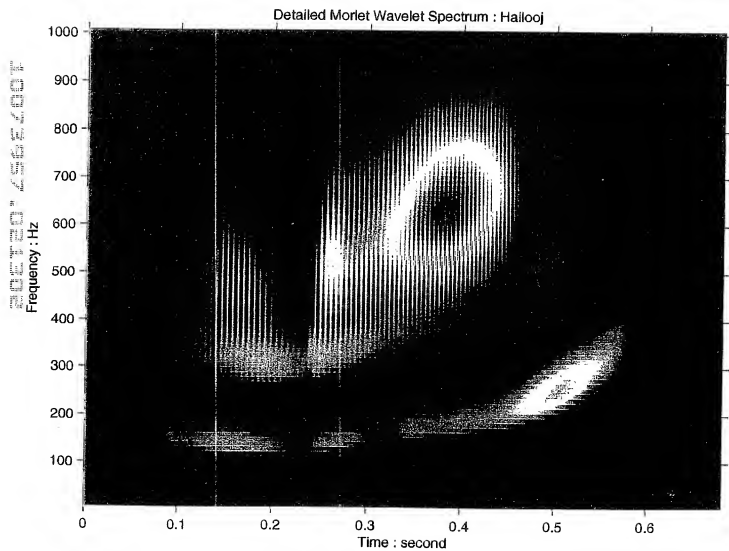


FIG. 53(a)

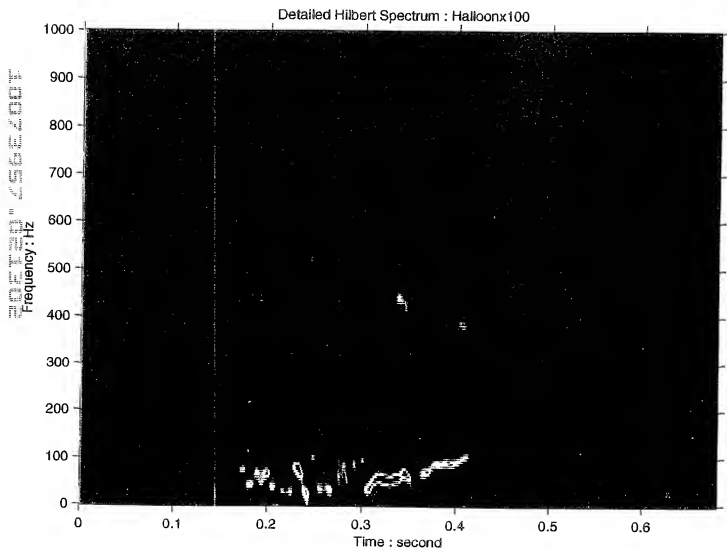


FIG. 53(b)

Detailed Hilbert Spectrum : Halloonx200

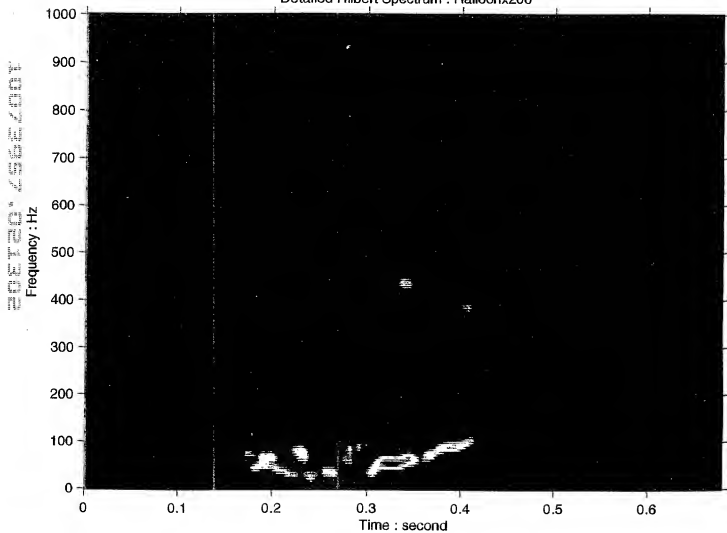


FIG. 54(a)

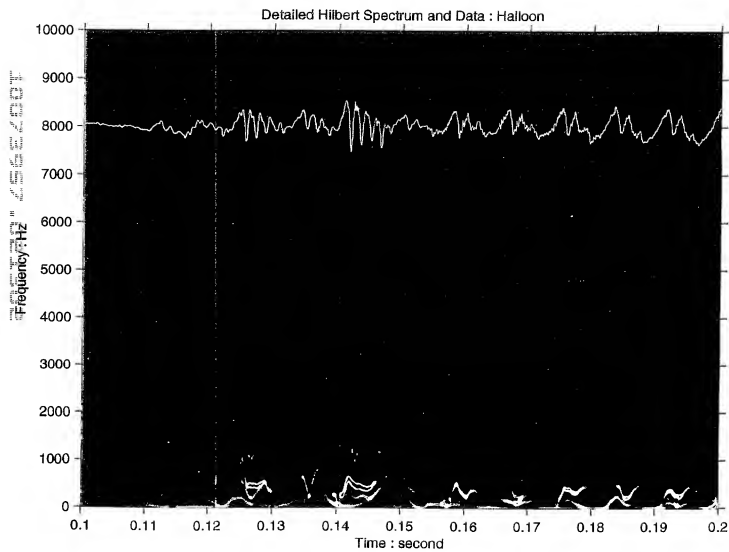


FIG. 54(b)

Detailed Hilbert Spectrum and Data : Halloon

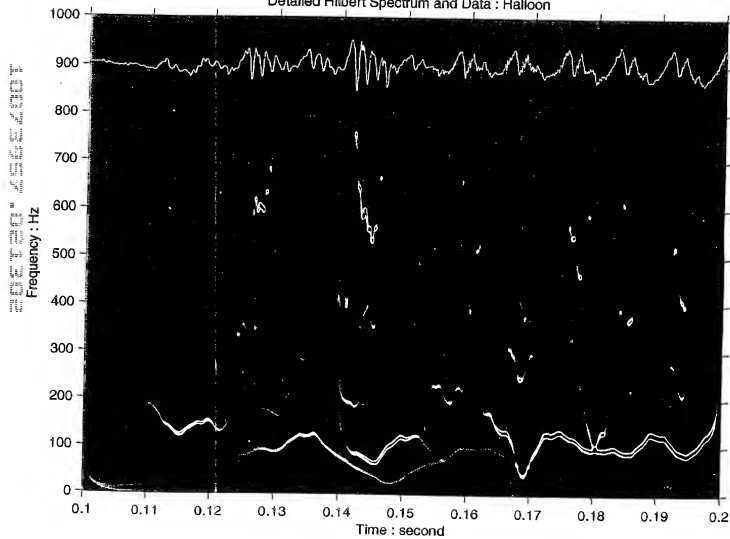


FIG. 55

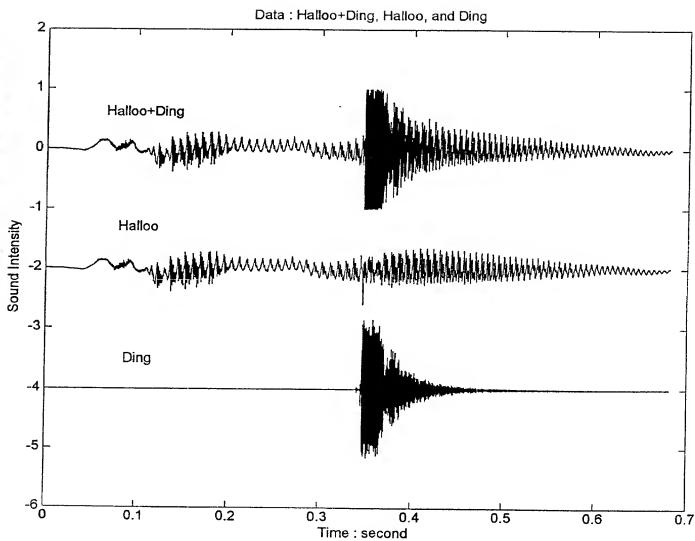


FIG. 56(a)

IMF : Halloo & Ding

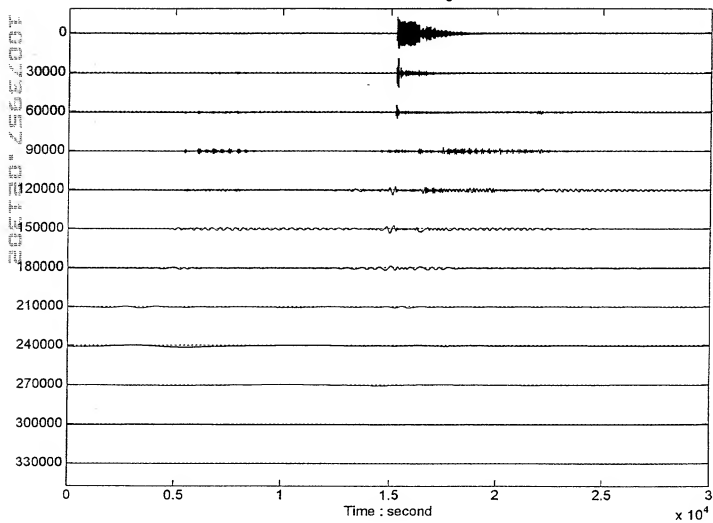


FIG. 56(b)

IMF : Halloo & Ding

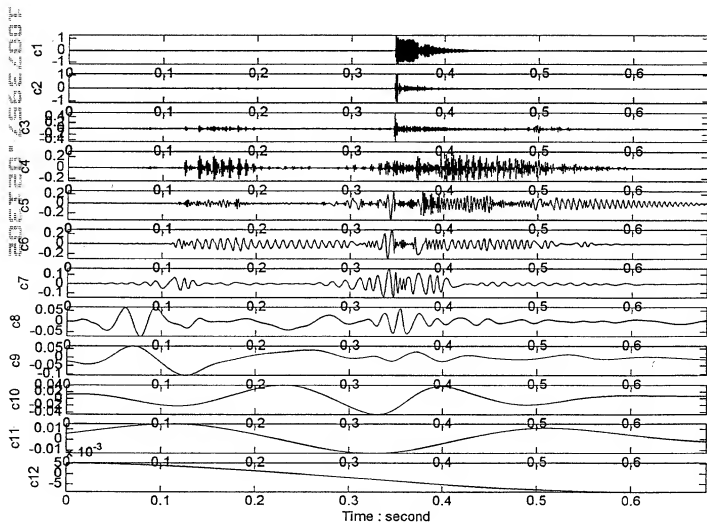


FIG. 57(a)

IMF : Filtered Halloo & Ding

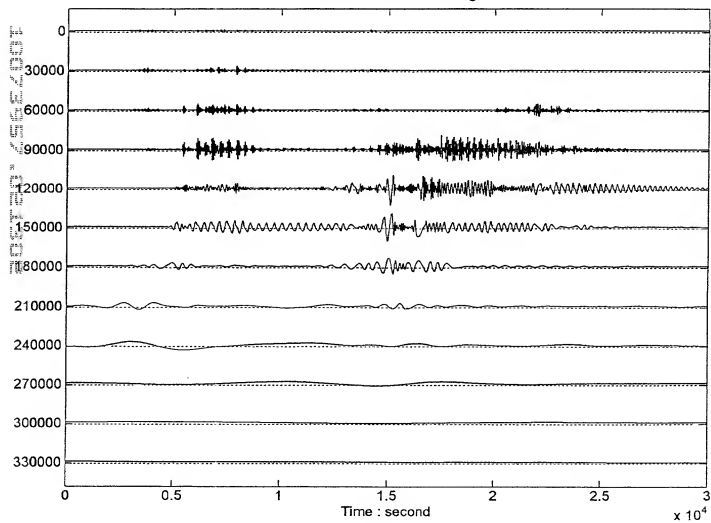


FIG. 57(b)

IMF : Ding

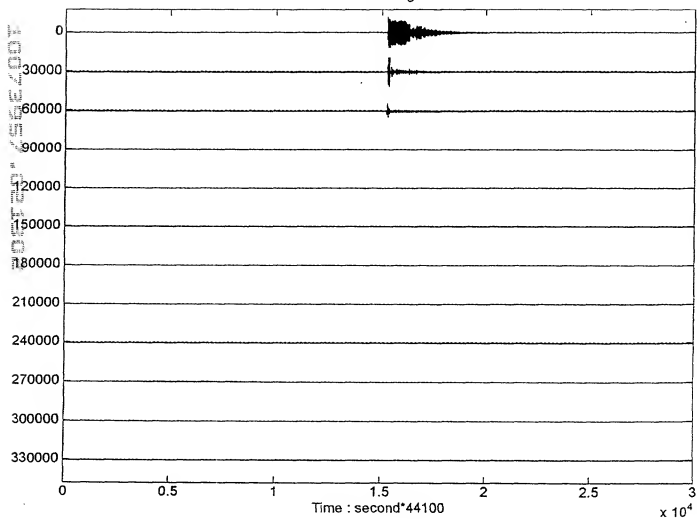


FIG. 58(a)

Hilbert Spectrum : Halloo+ding

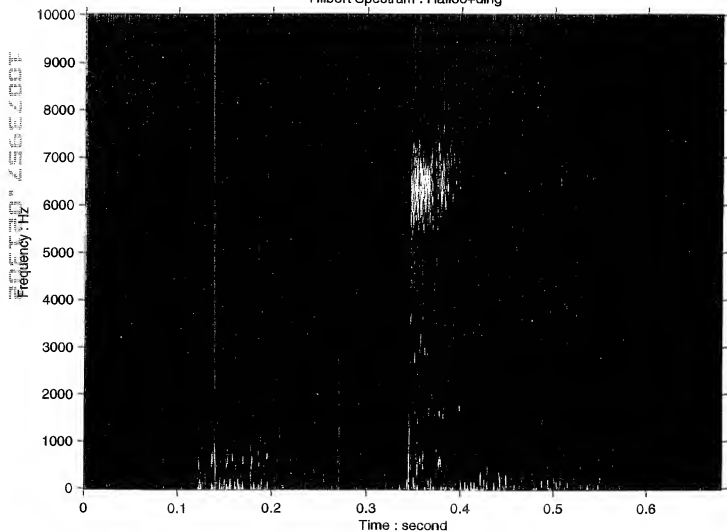


FIG. 58(b)

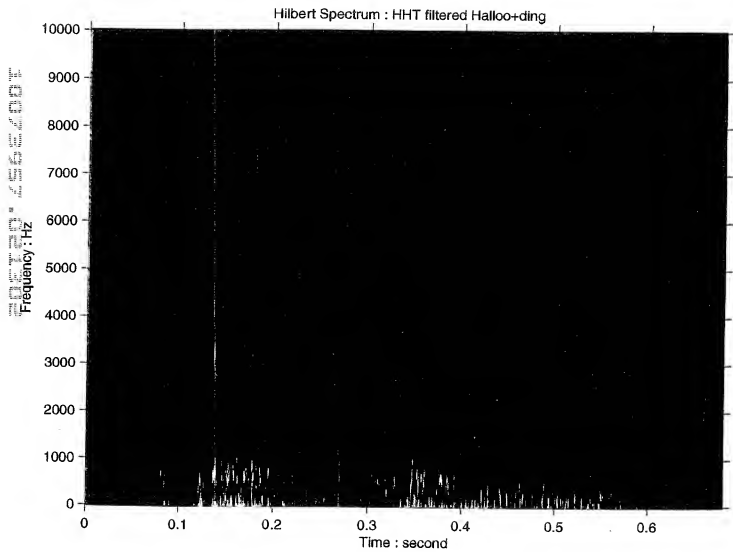


FIG. 59(a)

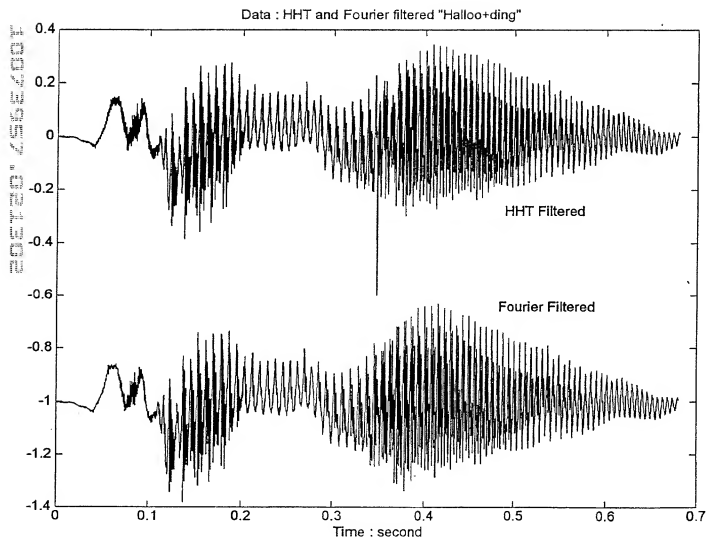


FIG. 59(b)

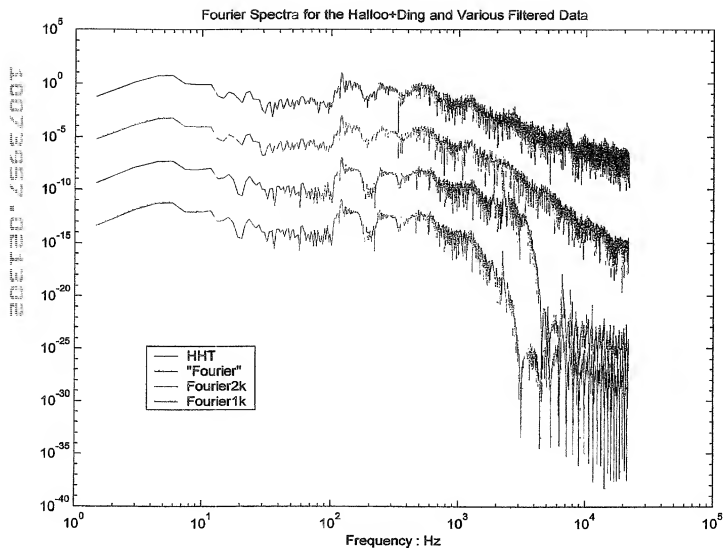


FIG. 60(a)

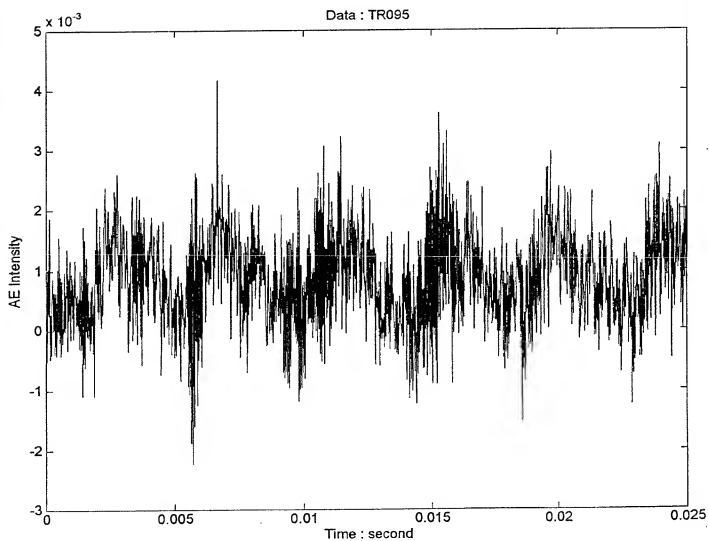


FIG. 60(b)

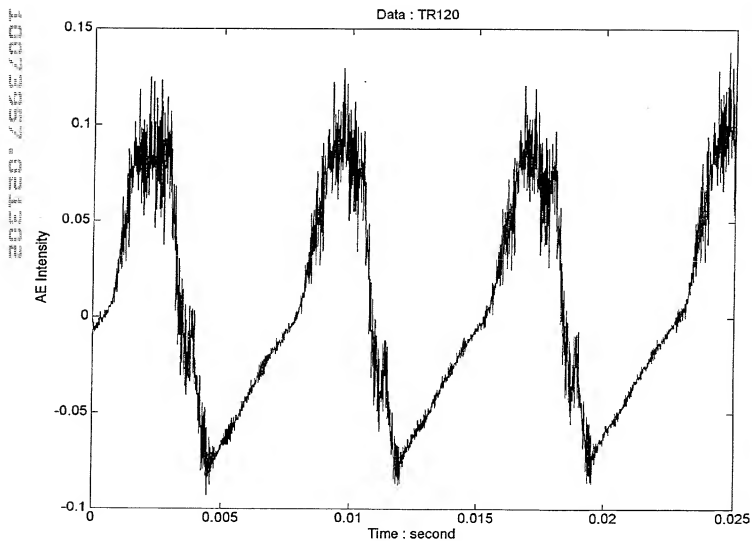


FIG. 60(c)

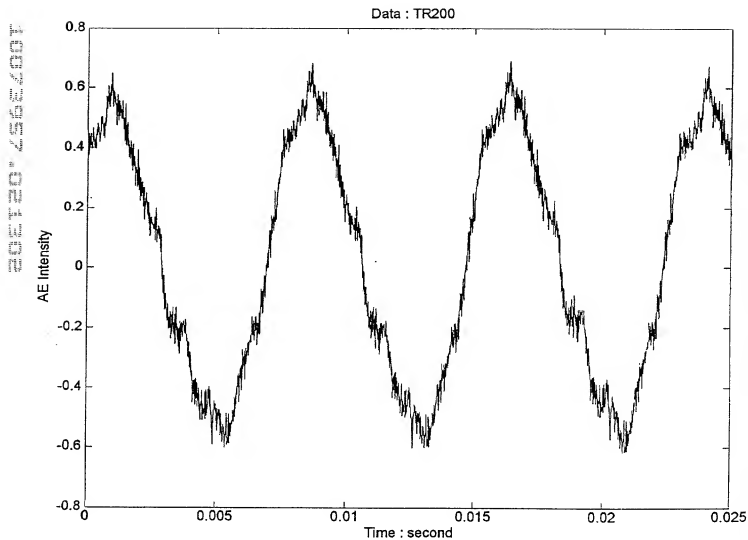


FIG. 61(a)

IMF TR095

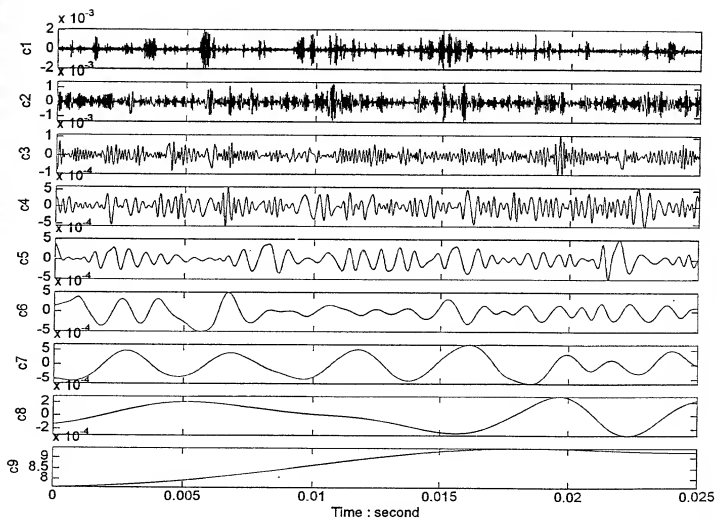
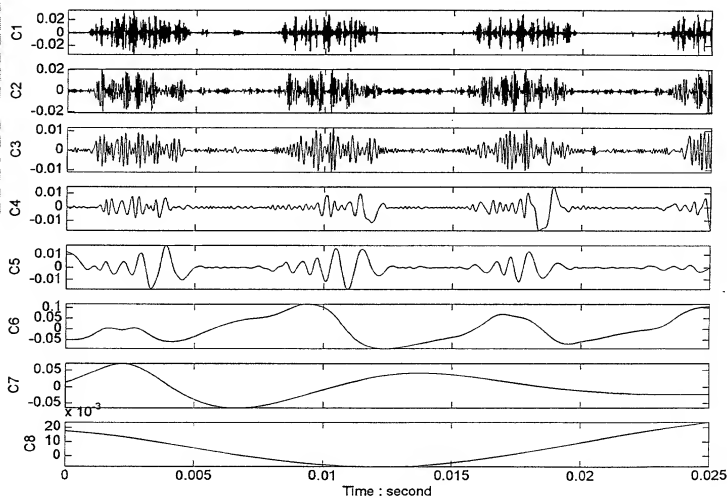


FIG. 61(b)

IMF TR120

200100-250000



IMF TR200

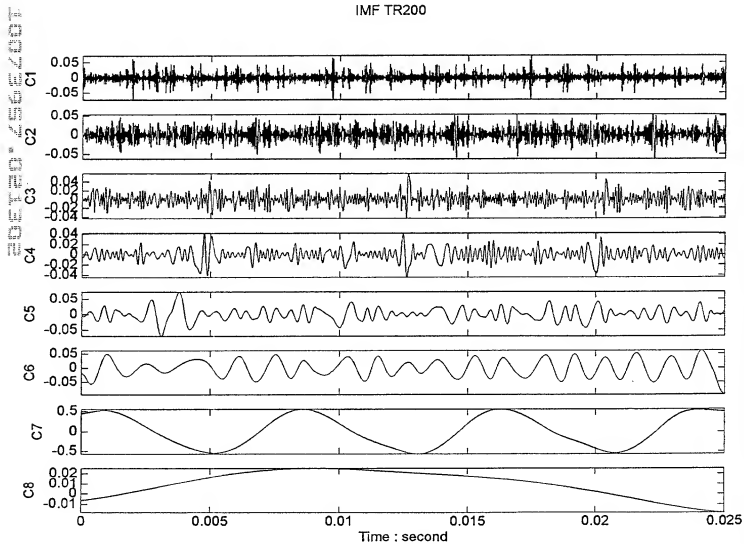


FIG. 62(a)

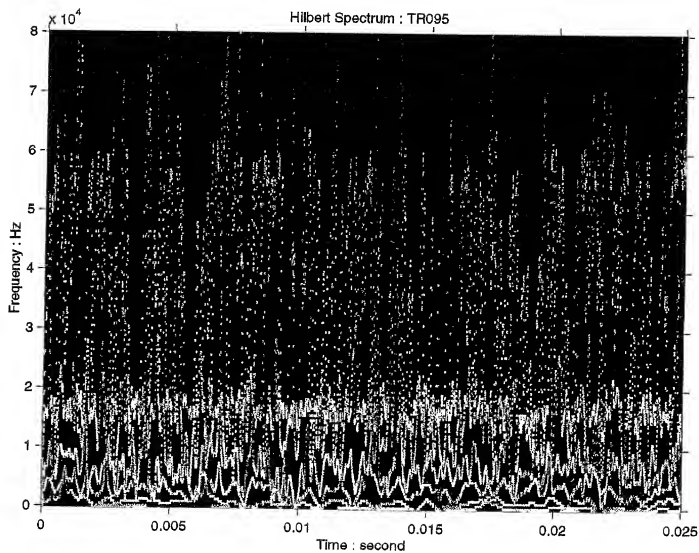


FIG. 62(b)

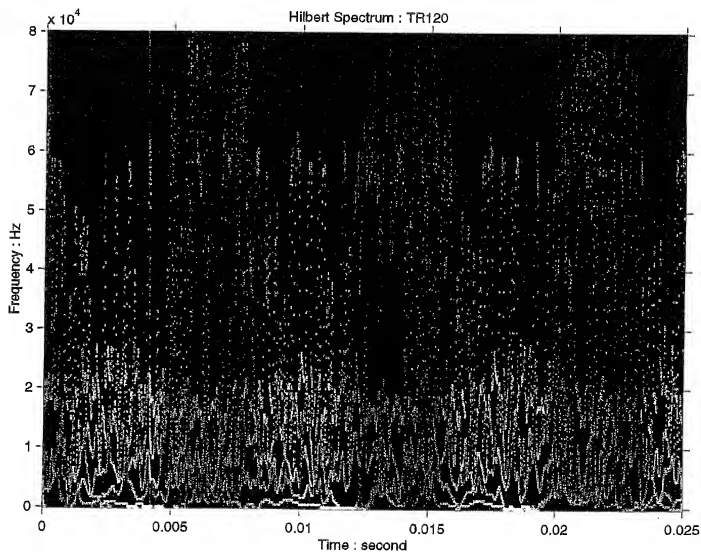
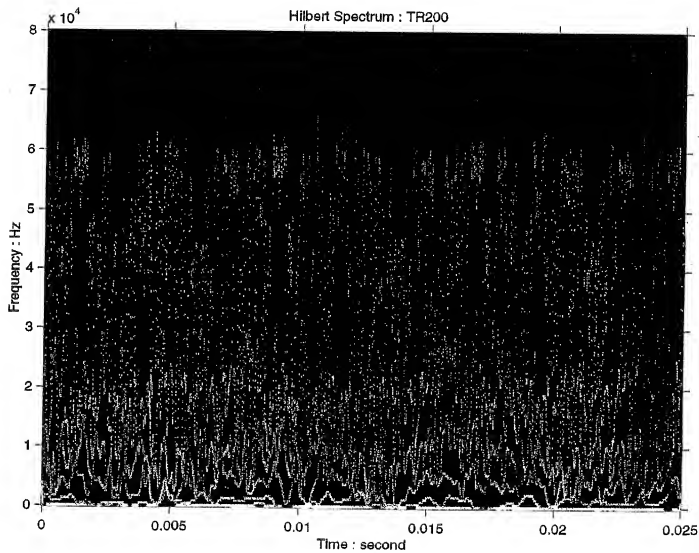


FIG. 62(c)



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